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# Product datasheet for TA805328

## HDAC9 Mouse Monoclonal Antibody [Clone ID: OTI7G2]

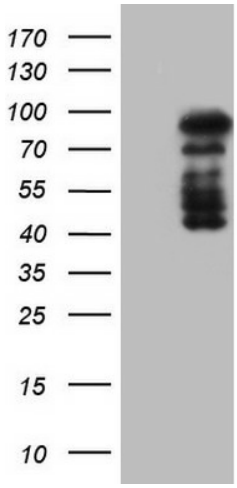
### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI7G2 |
| **Applications:** | IHC, WB |
| **Recommend Dilution:** | WB 1:2000, IHC 1:150 |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Human recombinant protein fragment corresponding to amino acids 181-460 of human HDAC9 (NP_055522) produced in E.coli. |
| **Formulation:** | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration:** | 1 mg/ml |
| **Purification:** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Predicted Protein Size:** | 65.7 kDa |
| **Gene Name:** | histone deacetylase 9 |
| **Database Link:** | NP_055522 Entrez Gene 9734 Human |
| **Background:** | Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq, Jul 2008] |
| **Synonyms:** | HD7; HD7b; HD9; HDAC; HDAC7; HDAC7B; HDAC9B; HDAC9FL; HDRP; MITR |

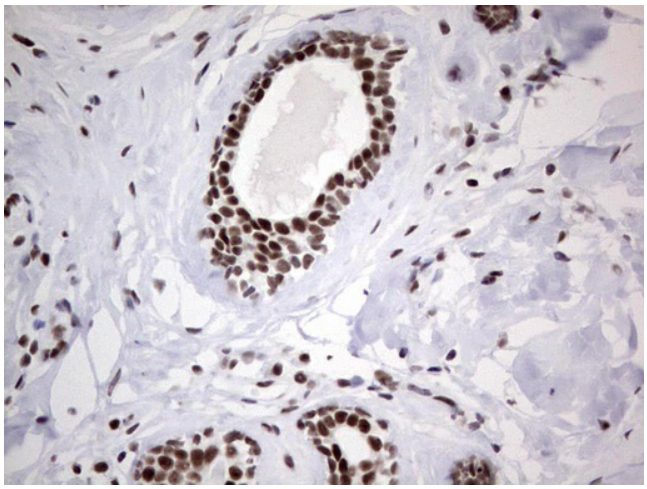
View online »

**Protein Families:** Druggable Genome, Transcription Factors

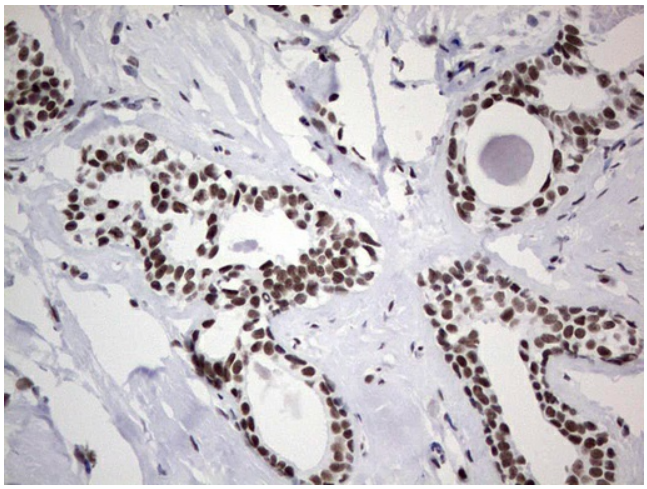
## Product images:



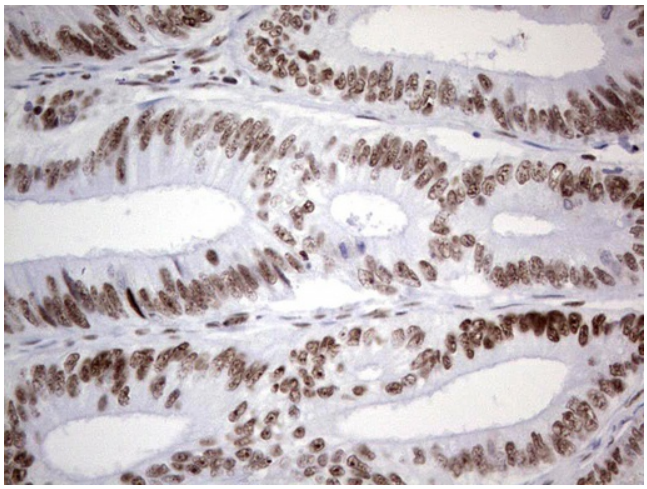

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HDAC9 ([RC215267], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HDAC9. Positive lysates [LY415085] (100ug) and [LC415085] (20ug) can be purchased separately from OriGene.



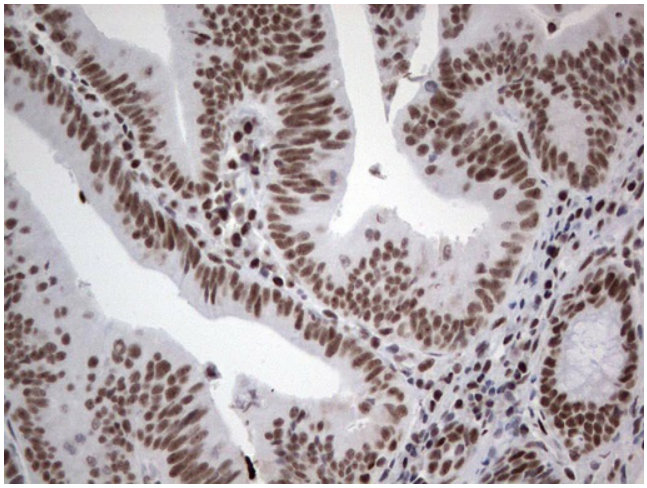
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



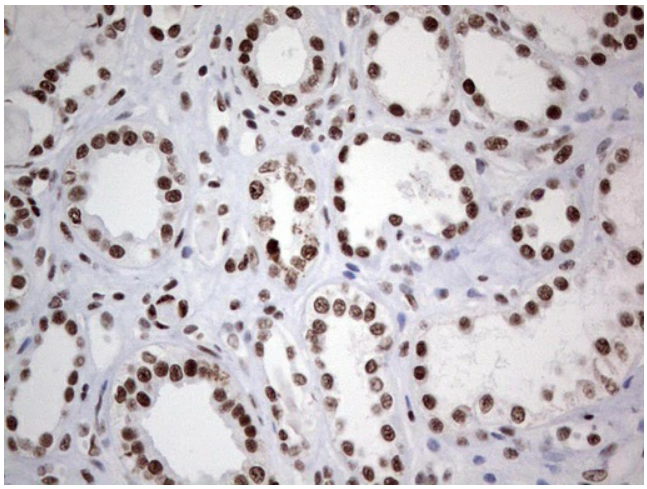
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



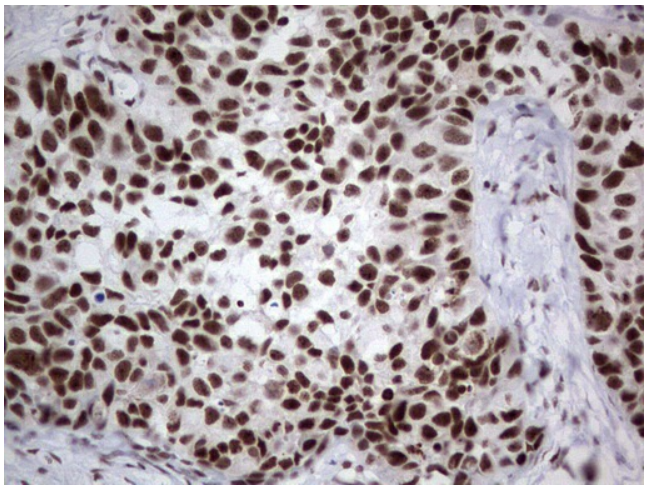
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



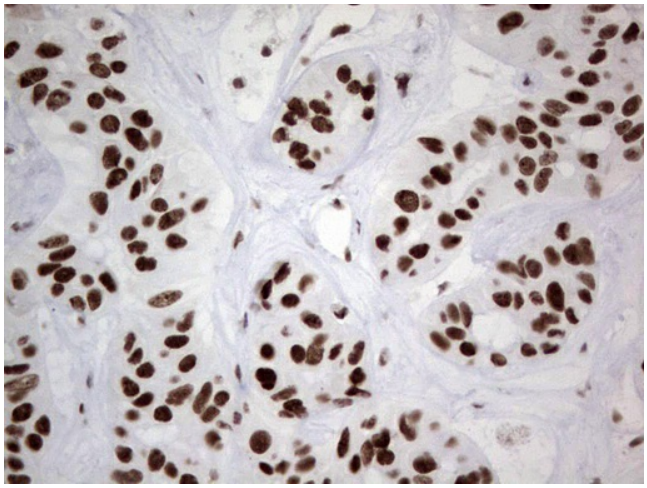
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



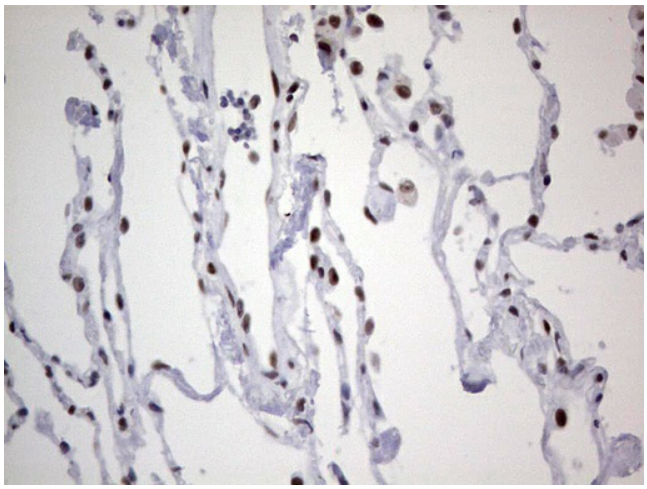
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



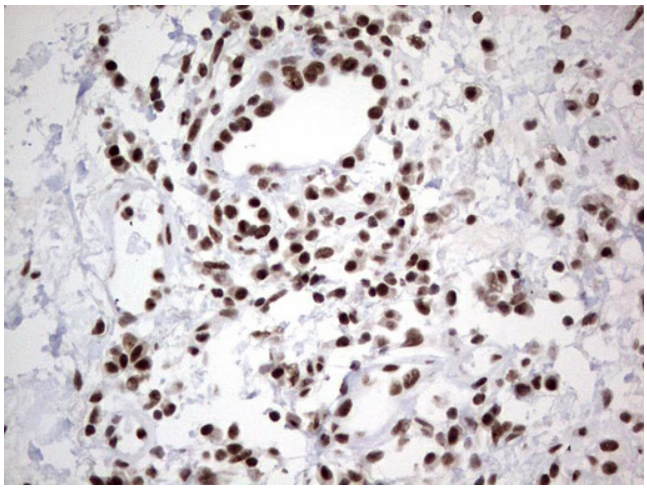
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



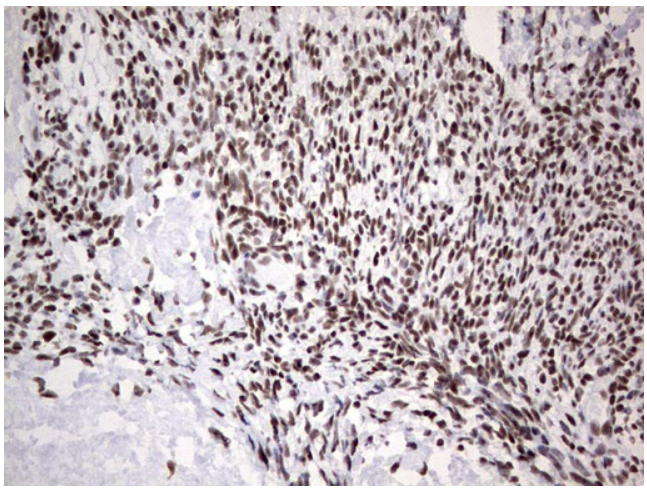
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



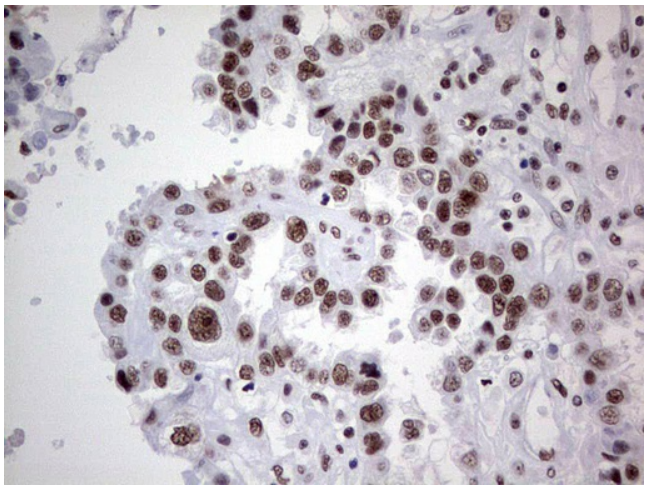
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



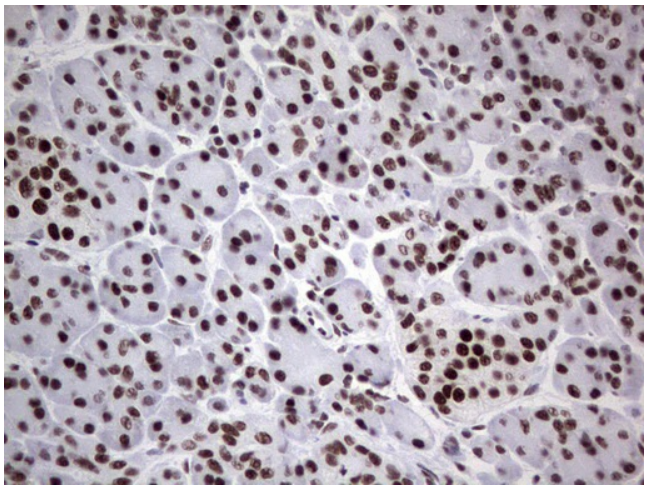
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



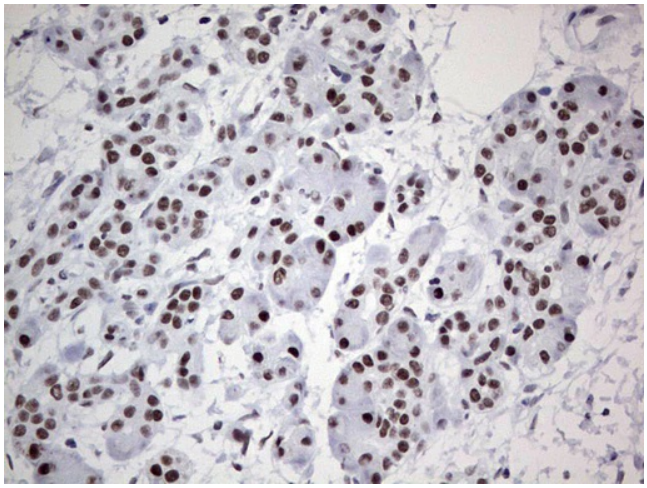
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



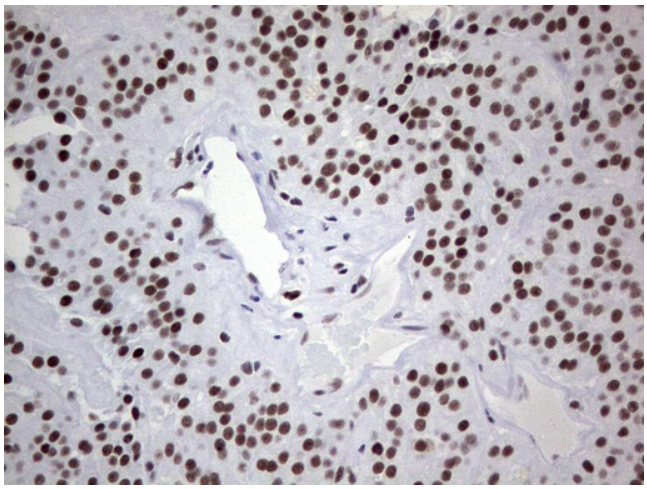
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



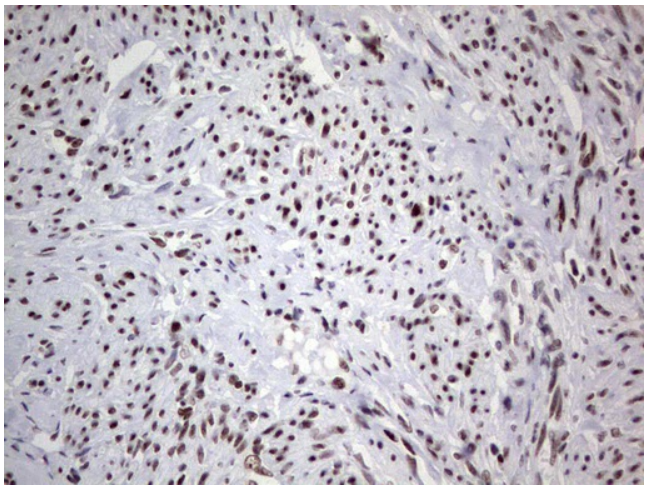
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



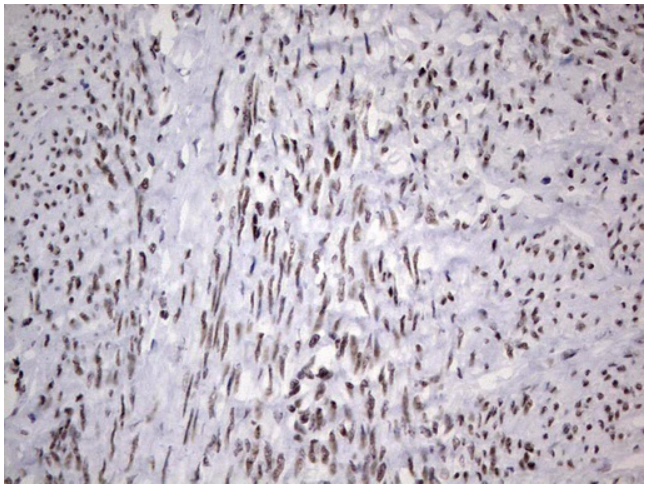
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



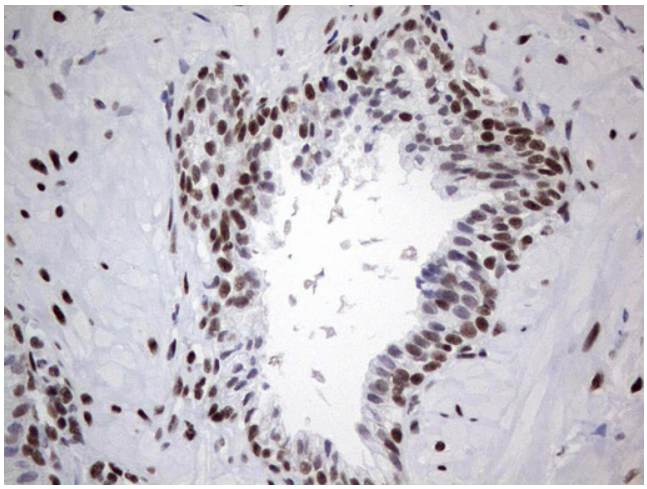
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



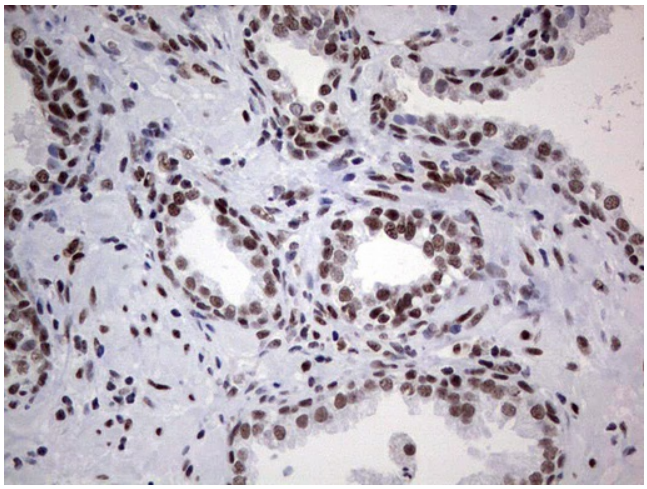
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



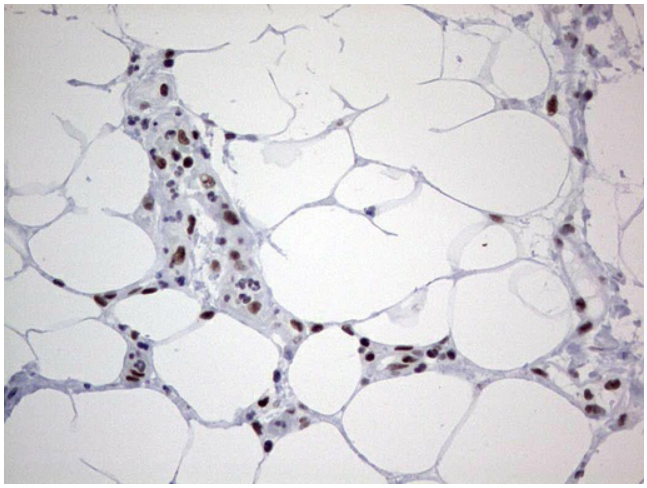
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



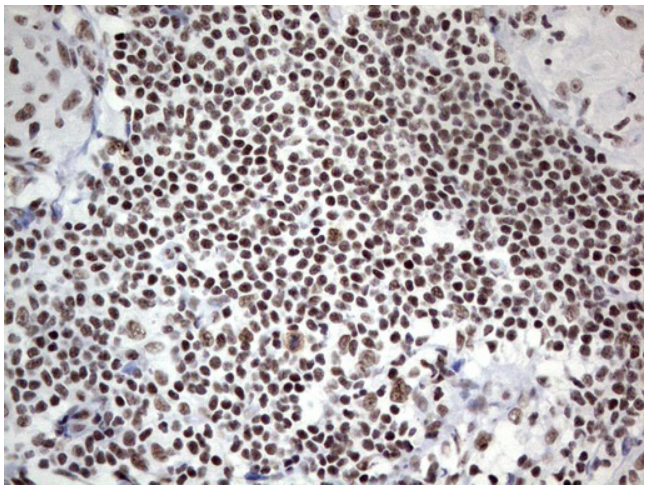
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



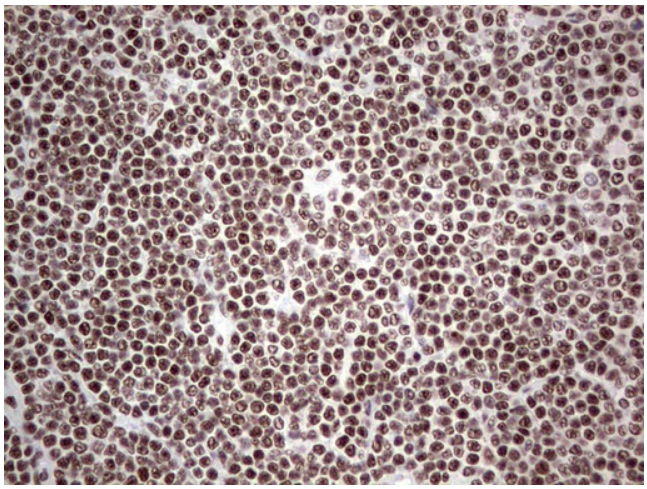
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-HDAC9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805328)