

Product datasheet for TA805142

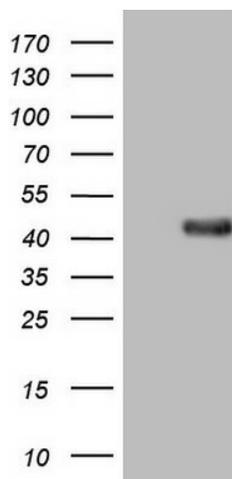
SAE1 Mouse Monoclonal Antibody [Clone ID: OTI6C7]

Product data:

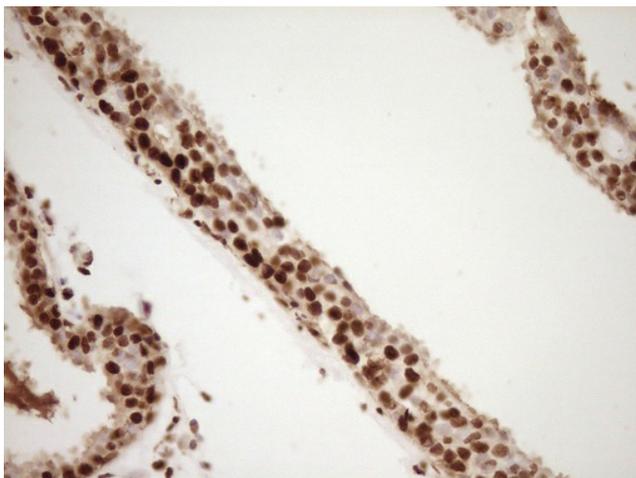
Product Type:	Primary Antibodies
Clone Name:	OTI6C7
Applications:	IHC, WB
Recommend Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SAE1 (NP_005491) produced in HEK293T cell.
Formulation:	PBS (PH 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:	38.3 kDa
Gene Name:	SUMO1 activating enzyme subunit 1
Database Link:	NP_005491 Entrez Gene 10055 Human
Background:	Posttranslational modification of proteins by the addition of the small protein SUMO (see SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular localization. SAE1 and UBA2 (MIM 613295) form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins (Okuma et al., 1999 [PubMed 9920803]). [supplied by OMIM, Mar 2010]
Synonyms:	AOS1; HSPC140; SUA1; UBLE1A
Protein Pathways:	Ubiquitin mediated proteolysis



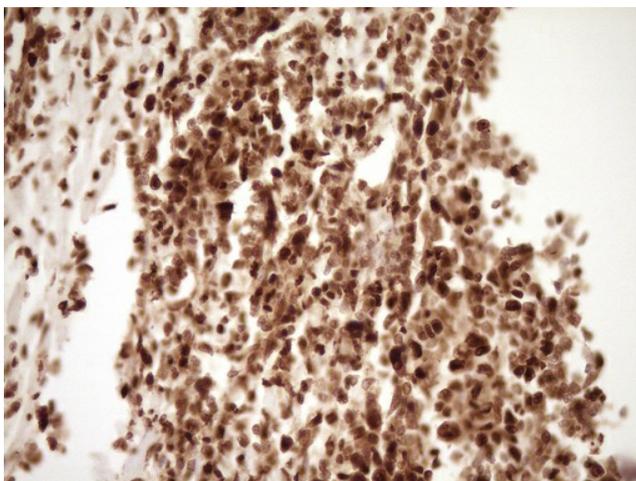
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Product images:

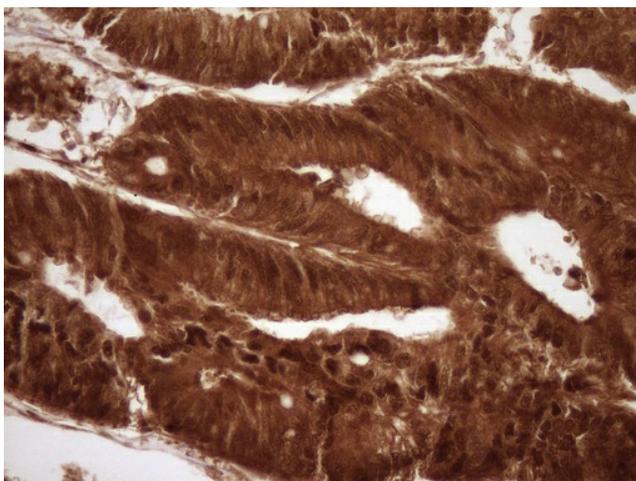
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SAE1 ([RC201820], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SAE1. Positive lysates [LY401688] (100ug) and [LC401688] (20ug) can be purchased separately from OriGene.



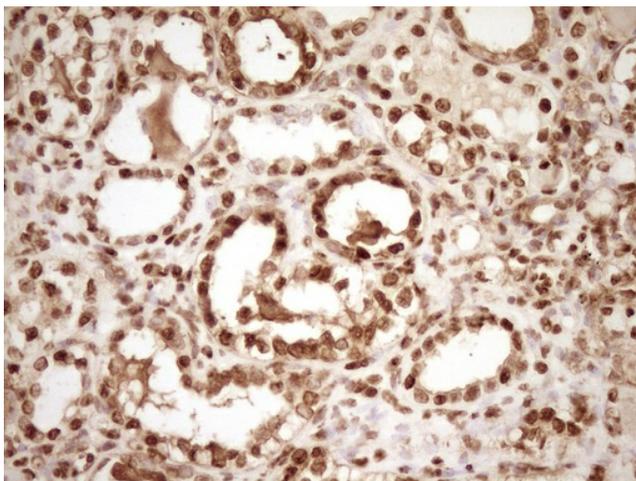
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



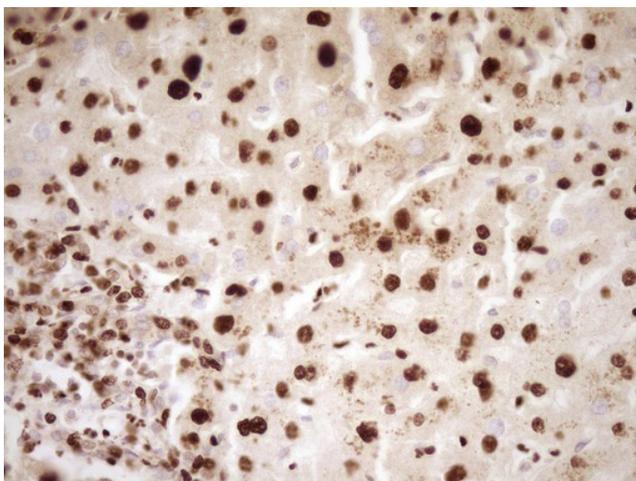
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



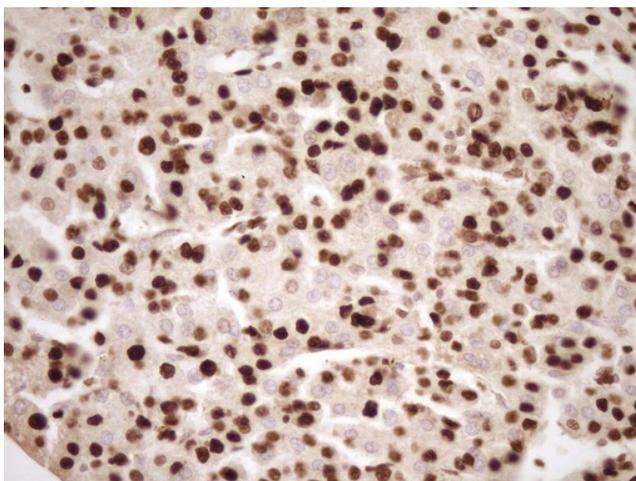
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



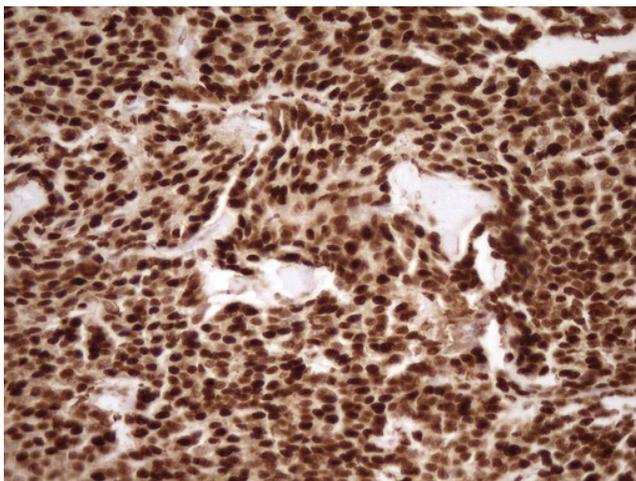
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



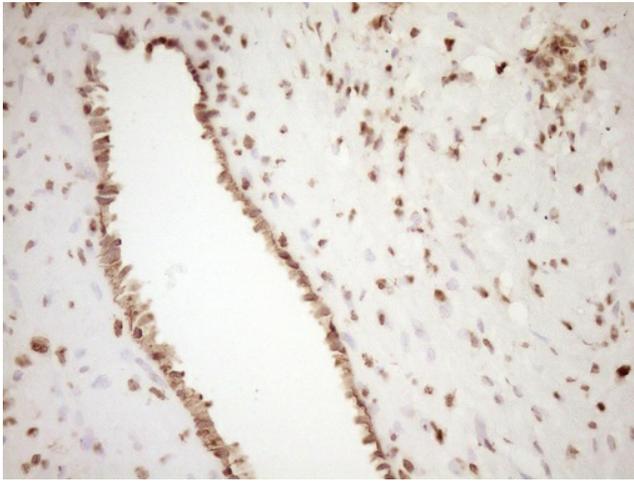
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



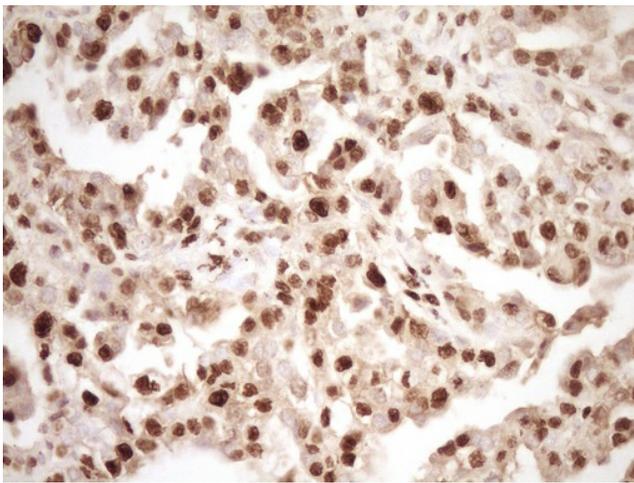
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



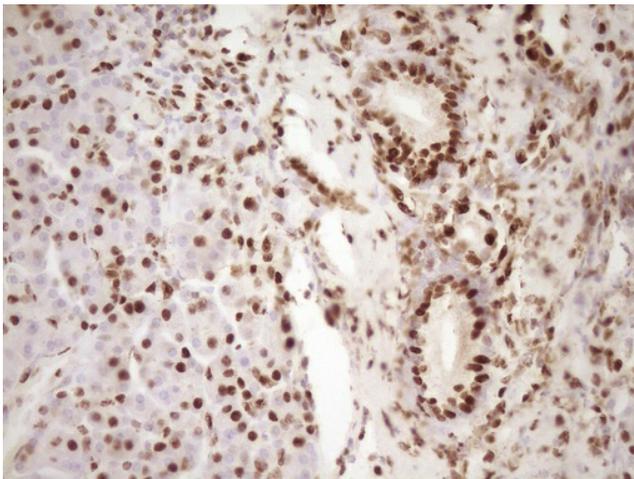
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



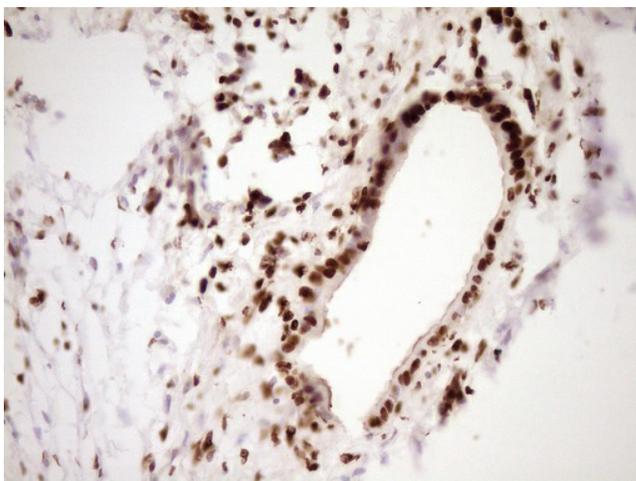
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



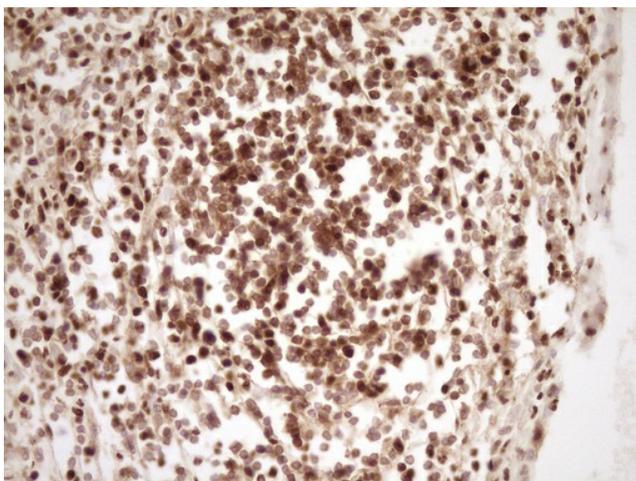
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



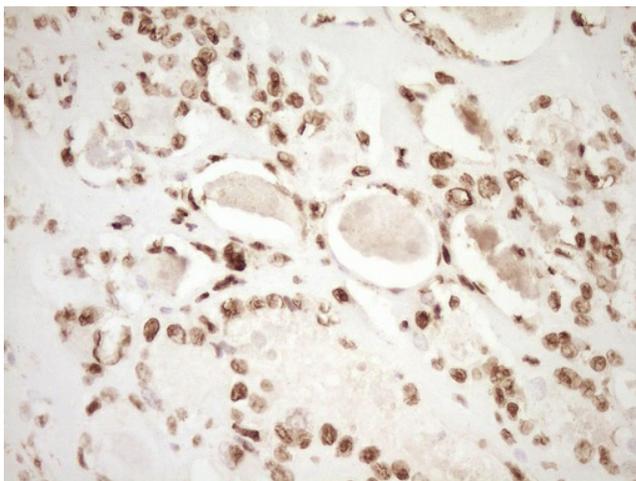
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



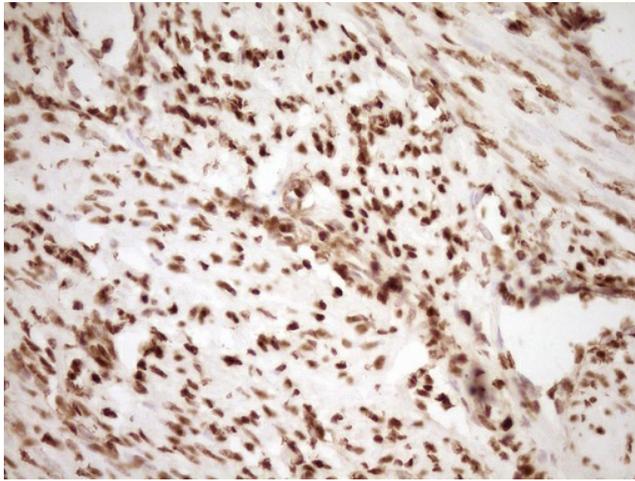
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



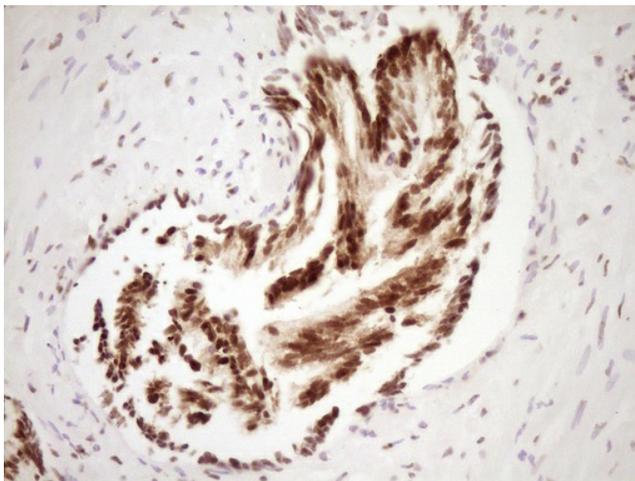
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



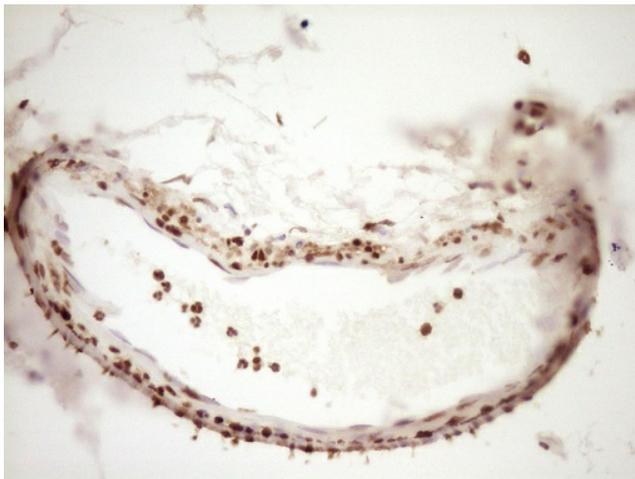
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



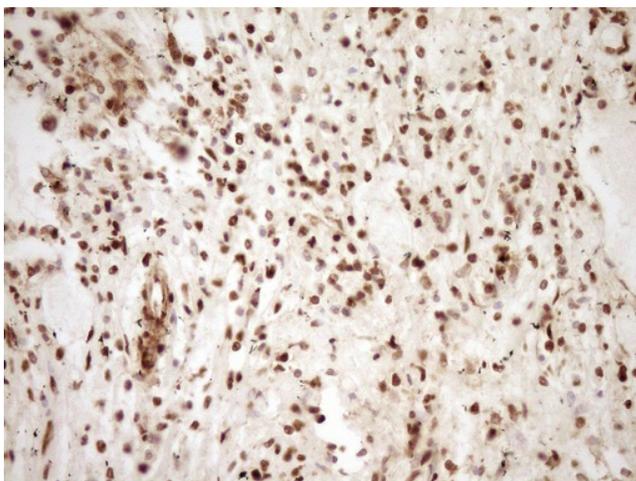
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



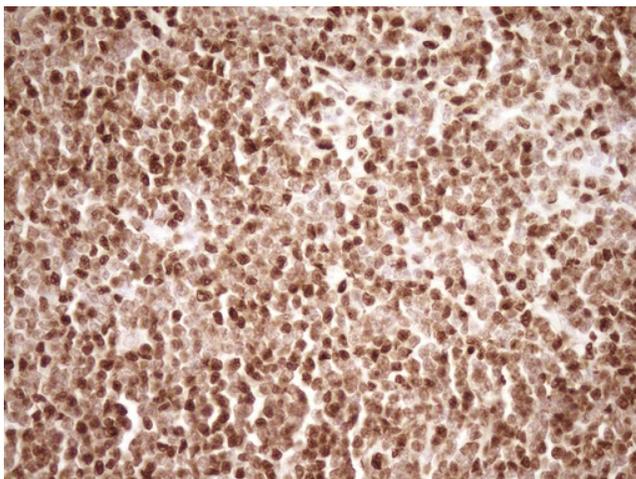
Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



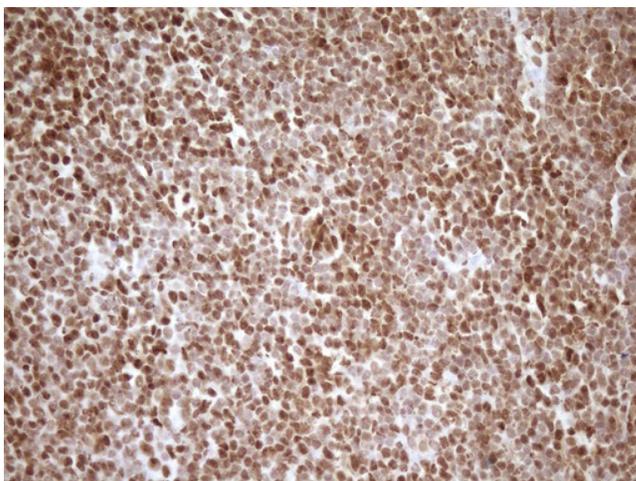
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-SAE1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805142)