

Product datasheet for TA503822

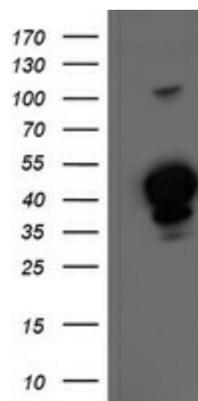
Heme oxygenase 2 (HMOX2) Mouse Monoclonal Antibody [Clone ID: OTI1B4]

Product data:

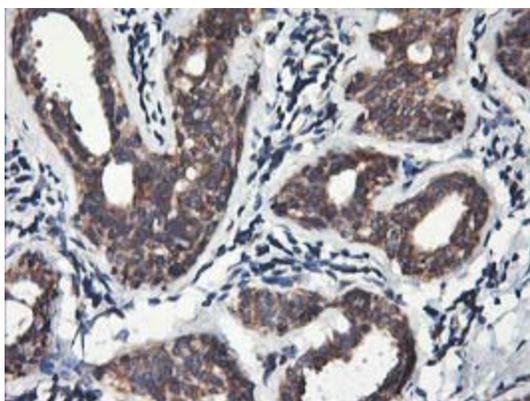
Product Type:	Primary Antibodies
Clone Name:	OTI1B4
Applications:	IHC, WB
Recommend Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HMOX2(NP_002125) produced in HEK293T cell.
Formulation:	PBS (PH 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:	35.9 kDa
Gene Name:	heme oxygenase 2
Database Link:	NP_002125 Entrez Gene 3163 Human
Background:	Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family. Alternative splice variants encoding the same protein have been identified at this locus. [provided by RefSeq]
Synonyms:	HO-2
Protein Families:	Transmembrane
Protein Pathways:	Porphyrin and chlorophyll metabolism



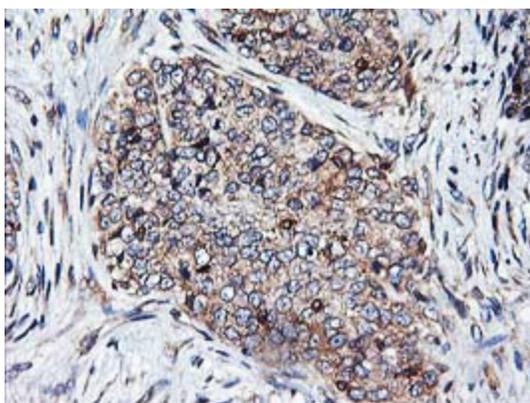
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Product images:

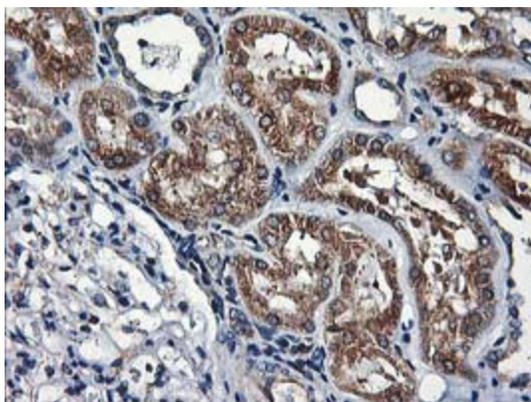
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HMOX2 ([RC201777], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HMOX2. Positive lysates [LY419512] (100ug) and [LC419512] (20ug) can be purchased separately from OriGene.



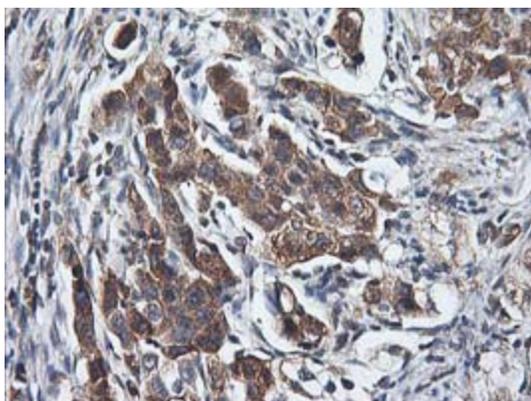
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)



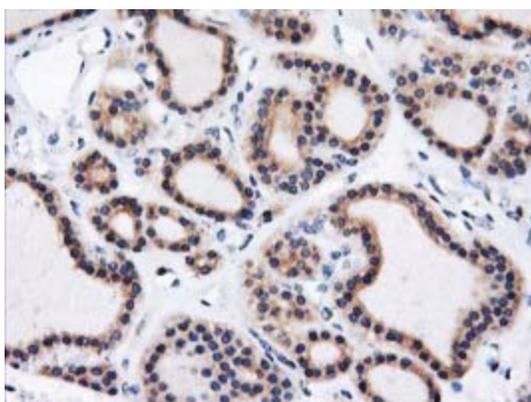
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)



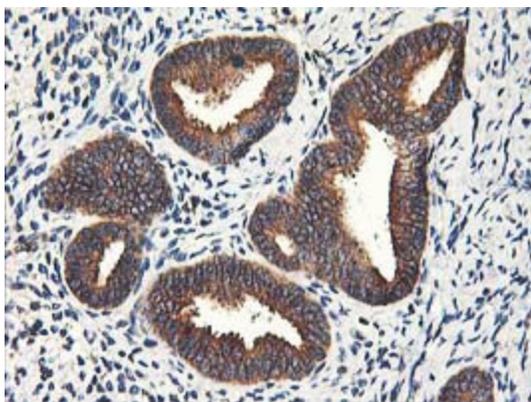
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)



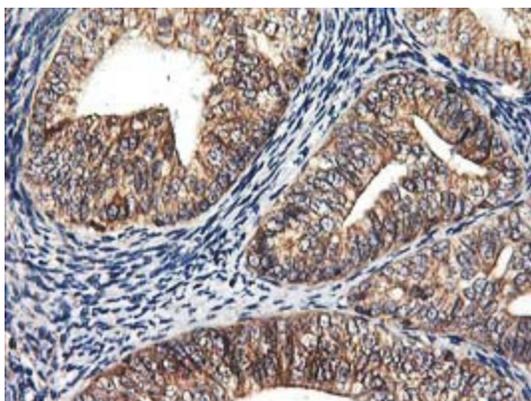
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)



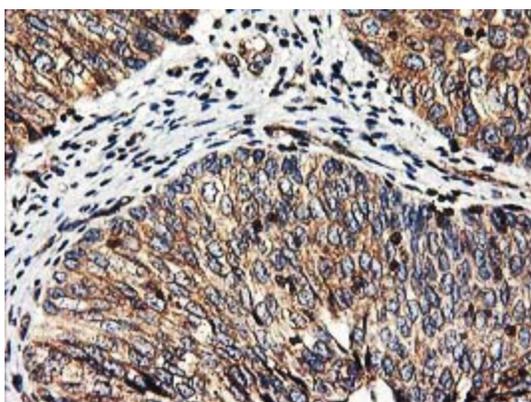
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)



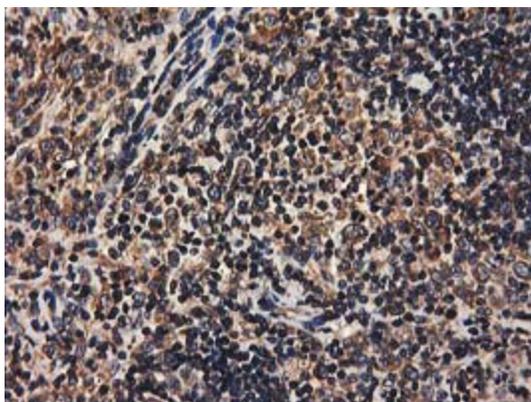
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-HMOX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503822)