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Product datasheet for TA800289BM

Methionine Aminopeptidase 2 (METAP2) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1F6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F6
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 2-212 of human METAP2 (NP_006829) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52.7 kDa
Gene Name:	methionyl aminopeptidase 2
Database Link:	NP_006829 Entrez Gene 56307 MouseEntrez Gene 64370 RatEntrez Gene 10988 Human P50579

View online »

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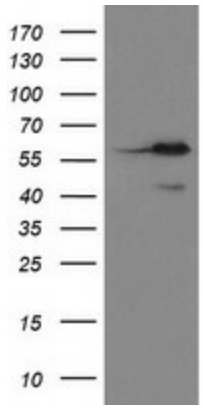
Background: This gene is a member of the methionyl aminopeptidase family and encodes a protein that binds 2 cobalt or manganese ions. This protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent protein. Increased expression of this gene is associated with various forms of cancer and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. A pseudogene of this gene is located on chromosome 2. [provided by RefSeq]

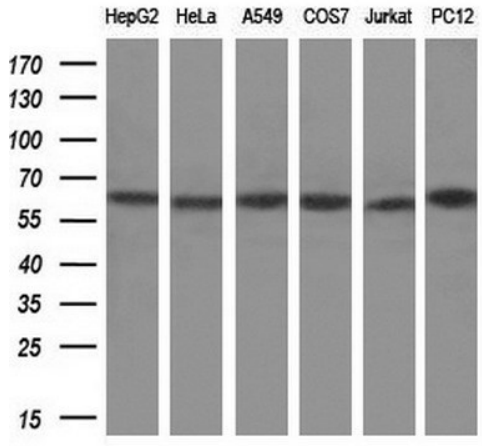
Synonyms: MAP2; MNPEP; p67eIF2

Protein Families: Druggable Genome, Protease

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY METAP2 (Cat# [RC203809], 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-METAP2(Cat# [TA800289]). Positive lysates [LY402045] (100ug) and [LC402045] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 6 different cell lines by using anti-METAP2 monoclonal antibody (1:200).

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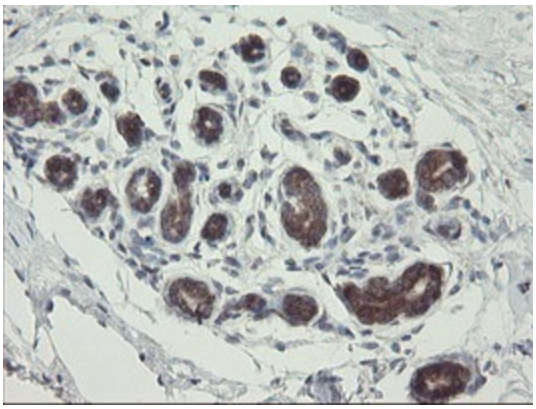
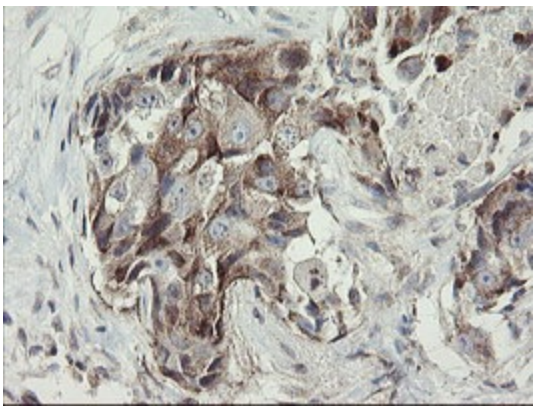
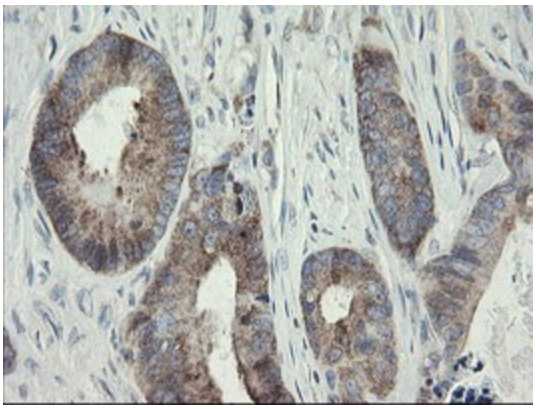


Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-METAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800289])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-METAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800289])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-METAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800289])

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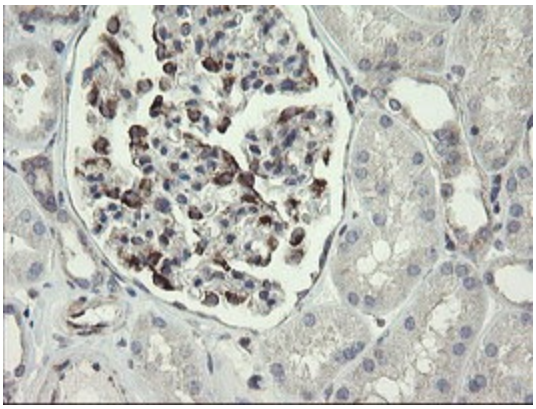
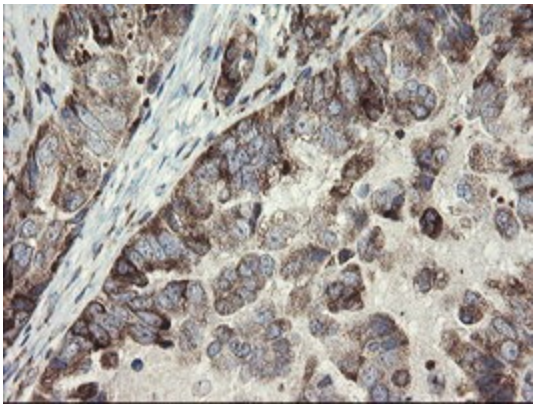
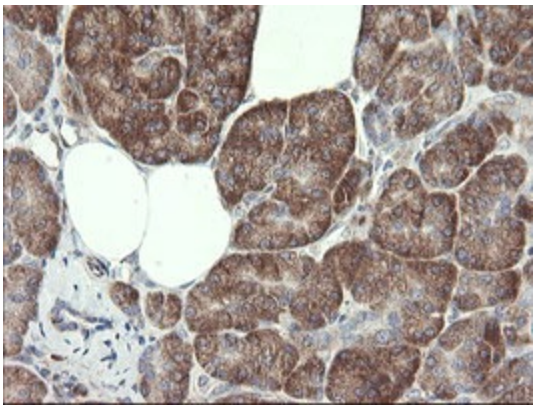


Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-METAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800289])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-METAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800289])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-METAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800289])

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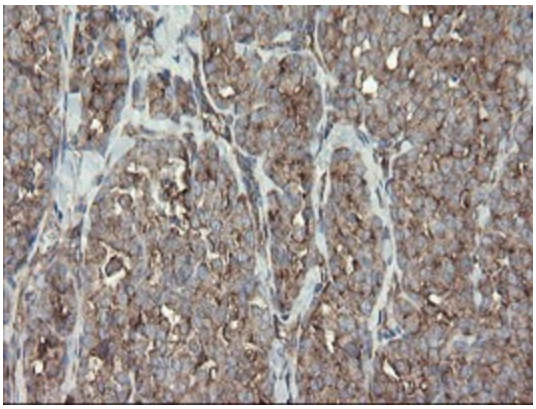
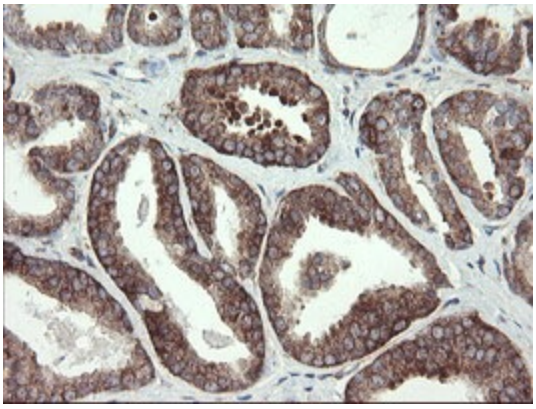
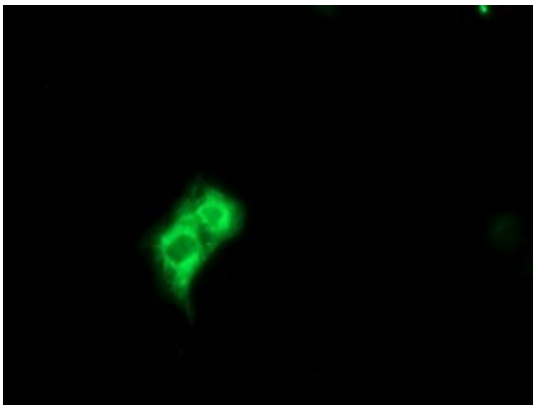


Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-METAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800289])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-METAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800289])



Anti-METAP2 mouse monoclonal antibody ([TA800289]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY METAP2 ([RC203809]).

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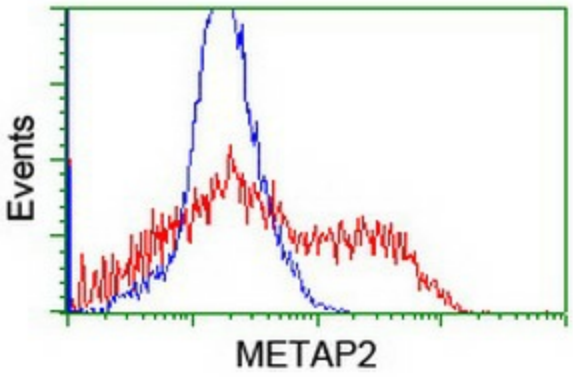

HEK293T cells transfected with either [RC203809] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-METAP2 antibody ([TA800289]), and then analyzed by flow cytometry.

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