

XPNPEP1 (4E17) Mouse Monoclonal antibody

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Catalog # AP93295

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9NQW7
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	69918

Additional Information

Gene ID	7511
Dilution	WB~~1:200 IHC-P~~1:50 IHC-F~~1:50 IF~~1:50~200
Storage Conditions	-20°C

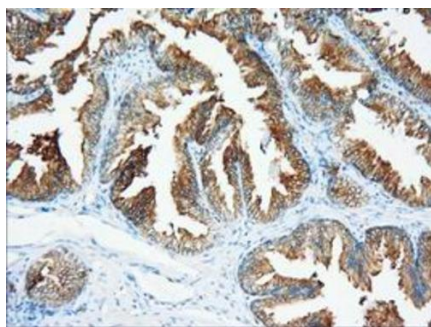
Protein Information

Name	XPNPEP1 {ECO:0000303 PubMed:10871044, ECO:0000312 HGNC:HGNC:12822}
Function	Metalloaminopeptidase that catalyzes the removal of a penultimate prolyl residue from the N-termini of peptides, such as Arg- Pro-Pro (PubMed: 11106490 , PubMed: 18515364 , PubMed: 35165443). Contributes to the degradation of bradykinin (PubMed: 11106490).
Cellular Location	Cytoplasm, cytosol.
Tissue Location	Expressed in all tissues tested, including pancreas, heart, muscle, kidney, liver, lung and brain. Highest levels in pancreas.

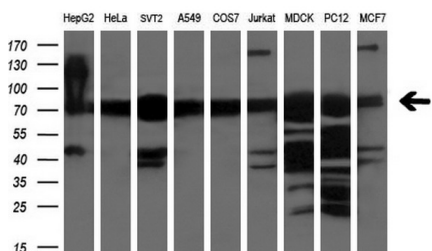
Background

This gene encodes the cytosolic form of a metalloaminopeptidase that catalyzes the cleavage of the N-terminal amino acid adjacent to a proline residue. The gene product may play a role in degradation and maturation of tachykinins, neuropeptides, and peptide hormones. Alternative splicing results in multiple transcript variants.

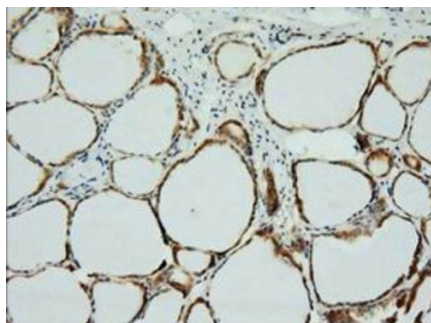
Images



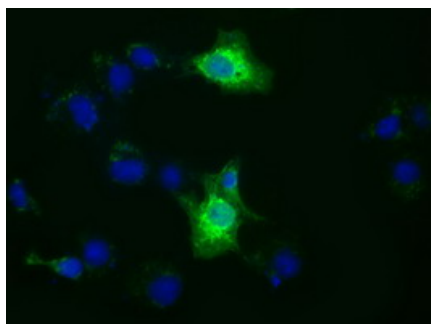
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-XPNPEP1 mouse monoclonal antibody.
(Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min,, Dilution 1:50)



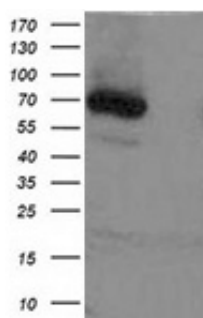
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-XPNPEP1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-XPNPEP1 mouse monoclonal antibody.
(Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, , Dilution 1:50)



Anti-XPNPEP1 mouse monoclonal antibody () immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY XPNPEP1 .



HEK293T cells were transfected with pCMV6-ENTRY XPNPEP1 (Left lane) or the pCMV6-ENTRY control (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-XPNPEP1 ().

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.