10320 Camino Santa Fe, Suite G
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XPNPEP2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9603c

Specification

XPNPEP2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession	O43895
Other Accession	NP_003390

XPNPEP2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 7512

Other Names
Xaa-Pro aminopeptidase 2, Aminoacylproline aminopeptidase, Membrane-bound aminopeptidase P, Membrane-bound APP, Membrane-bound AmP, mAmP, X-Pro aminopeptidase 2, XPNPEP2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

XPNPEP2 Antibody (Center) Blocking Peptide - Protein Information

Name XPNPEP2

Function
Membrane-bound metalloprotease which catalyzes the removal of a penultimate prolyl residue from the N-termini of peptides, such as Arg-Pro-Pro. May play a role in the metabolism of the vasodilator bradykinin.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q95333}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:Q95333}

Tissue Location
Expressed in kidney, lung, heart, placenta, liver, small intestine and colon. No expression in brain, skeletal muscle, pancreas, spleen, thymus, prostate, testis and ovary

XPNPEP2 Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

XPNPEP2 Antibody (Center) Blocking Peptide - Images

XPNPEP2 Antibody (Center) Blocking Peptide - Background

Aminopeptidase P is a hydrolase specific for N-terminal imido bonds, which are common to several collagen degradation products, neuropeptides, vasoactive peptides, and cytokines. Structurally, the enzyme is a member of the 'pita bread fold' family and occurs in mammalian tissues in both soluble and GPI-anchored membrane-bound forms. A membrane-bound and soluble form of this enzyme have been identified as products of two separate genes.

XPNPEP2 Antibody (Center) Blocking Peptide - References

Duan, Q.L., et al. J. Allergy Clin. Immunol. 123(4):906-910(2009)Li, X., et al. J. Biol. Chem. 283(33):22858-22866(2008)Drouet, C., et al. J. Allergy Clin. Immunol. 121(2):429-433(2008)Molinaro, G., et al. Kidney Int. 70(10):1823-1831(2006)