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XPNPEP1 / Aminopeptidase P Antibody (C-Terminus)

Goat Polyclonal Antibody
Catalog # ALS16083

Specification

XPNPEP1 / Aminopeptidase P Antibody (C-Terminus) - Product Information

Application	**IHC, WB**
Primary Accession	Q9NQW7
Reactivity	**Human, Monkey, Pig, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**70kDa KDa**

XPNPEP1 / Aminopeptidase P Antibody (C-Terminus) - Additional Information

Gene ID 7511

Other Names
Xaa-Pro aminopeptidase 1, 3.4.11.9, Aminoacylproline aminopeptidase, Cytosolic aminopeptidase P, Soluble aminopeptidase P, sAmp, X-Pro aminopeptidase 1, X-prolyl aminopeptidase 1, soluble, XPNPEP1 {ECO:0000312|EMBL:AAH05126.1}

Target/Specificity
Human XPNPEP1. This antibody is expected to recognize isoform 1 and 2 (NP_065116.2; NP_001161076.1).

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
XPNPEP1 / Aminopeptidase P Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

XPNPEP1 / Aminopeptidase P Antibody (C-Terminus) - 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:35165443, PubMed:18515364). Contributes to the degradation of bradykinin (PubMed:11106490).

Cellular Location
Cytoplasm, cytosol.

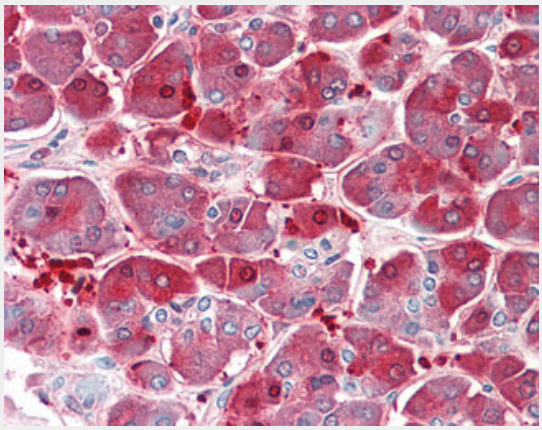
Tissue Location
Expressed in all tissues tested, including pancreas, heart, muscle, kidney, liver, lung and brain. Highest levels in pancreas.

XPNPEP1 / Aminopeptidase P Antibody (C-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

XPNPEP1 / Aminopeptidase P Antibody (C-Terminus) - Images



Anti-XPNPEP1 / Aminopeptidase P antibody IHC staining of human pancreas.



XPNPEP1 antibody (0.3 ug/ml) staining of Human Pancreas lysate (35 ug protein/ml in RIPA buffer).

XPNPEP1 / Aminopeptidase P Antibody (C-Terminus) - Background

Contributes to the degradation of bradykinin. Catalyzes the removal of a penultimate prolyl

residue from the N-termini of peptides, such as Arg-Pro-Pro.

XPNPEP1 / Aminopeptidase P Antibody (C-Terminus) - References

Vanhoof G.,et al.Cytogenet. Cell Genet. 78:275-280(1997).
Sprinkle T.J.,et al.Arch. Biochem. Biophys. 378:51-56(2000).
Cottrell G.S.,et al.Biochemistry 39:15121-15128(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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