

XPNPEP3 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13203B

Specification

XPNPEP3 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9NOH7
Other Accession	NP_071381.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57034
Antigen Region	440-469

XPNPEP3 Antibody (C-term) - Additional Information

Gene ID 63929

Other Names

Probable Xaa-Pro aminopeptidase 3, X-Pro aminopeptidase 3, Aminopeptidase P3, APP3, XPNPEP3

Target/Specificity

This XPNPEP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 440-469 amino acids from the C-terminal region of human XPNPEP3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

XPNPEP3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

XPNPEP3 Antibody (C-term) - Protein Information

Name XPNPEP3

Function Catalyzes the removal of a penultimate prolyl residue from the N-termini of peptides,

such as Leu-Pro-Ala (PubMed:[25609706](#), PubMed:[28476889](#)). Also shows low activity towards peptides with Ala or Ser at the P1 position (PubMed:[28476889](#)).

Cellular Location

[Isoform 1]: Mitochondrion. Cytoplasm. Note=Mainly mitochondrial. Translocates to the cytoplasm following TNFRSF1B activation

Tissue Location

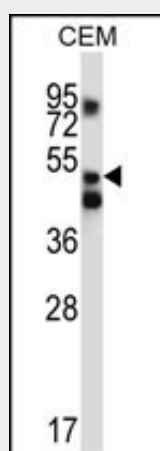
Isoform 1 and isoform 2 are widely expressed, with isoform 1 being more abundant.

XPNPEP3 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

XPNPEP3 Antibody (C-term) - Images



XPNPEP3 Antibody (C-term) (Cat. #AP13203b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the XPNPEP3 antibody detected the XPNPEP3 protein (arrow).

XPNPEP3 Antibody (C-term) - Background

XPNPEP3 belongs to a family of X-pro-aminopeptidases (EC 3.4.11.9) that utilize a metal cofactor and remove the N-terminal amino acid from peptides with a proline residue in the penultimate position (summary by Ersahin et al., 2005 [PubMed 15708373]).

XPNPEP3 Antibody (C-term) - References

O'Toole, J.F., et al. J. Clin. Invest. 120(3):791-802(2010)
Ersahin, C., et al. Arch. Biochem. Biophys. 435(2):303-310(2005)

Bouwmeester, T., et al. Nat. Cell Biol. 6(2):97-105(2004)
Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004) :
Dunham, I., et al. Nature 402(6761):489-495(1999)