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XPNPEP3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13203B

Specification

XPNPEP3 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NQH7
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

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

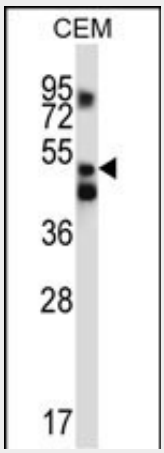
Tissue Location
Isoform 1 and isoform 2 are widely expressed, with isoform 1 being more abundant.

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 Cytomety
- 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)