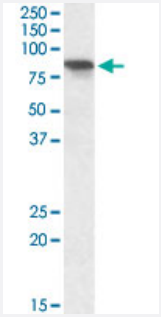
XPNPEP1 polyclonal antibody

Catalog # PAB14395 Size 100 ug

Applications



Western Blot (Tissue lysate)

XPNPEP1 polyclonal antibody (Cat # PAB14395) (0.3 ug/mL) staining of human pancreas lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of XPNPEP1.
Immunogen	A synthetic peptide corresponding to human XPNPEP1.
Sequence	C-LIRETQPISKQH
Host	Goat
Theoretical MW (kDa)	69.9
Reactivity	Human
Specificity	Approx 80 KDa band observed in human heart, skeletal muscle and pancreas lysates (calculated MW of 69.9 KDa according to NP_065116.2).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:32000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — XPNPEP1

Entrez GeneID	7511
Protein Accession#	NP_065116.2
Gene Name	XPNPEP1
Gene Alias	SAMP, XPNPEP, XPNPEPL, XPNPEPL1
Gene Description	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble
Omim ID	602443
Gene Ontology	Hyperlink
Gene Summary	X-prolyl aminopeptidase (EC 3.4.11.9) is a proline-specific metalloaminopeptidase that specifica lly catalyzes the removal of any unsubstituted N-terminal amino acid that is adjacent to a penultima te proline residue. Because of its specificity toward proline, it has been suggested that X-prolyl a minopeptidase is important in the maturation and degradation of peptide hormones, neuropeptid es, and tachykinins, as well as in the digestion of otherwise resistant dietary protein fragments, th ereby complementing the pancreatic peptidases. Deficiency of X-prolyl aminopeptidase results in excretion of large amounts of imino-oligopeptides in urine (Blau et al., 1988 [PubMed 3141711]).[supplied by OMIM

Other Designations	OTTHUMP00000020457|OTTHUMP00000058856|X-prolyl aminopeptidase (aminopeptidase P) 1, soluble (SAMP, XPNPEP, XPNPEPL)|X-prolyl aminopeptidase (aminopeptidase P)-like

Publication Reference

- Exploring proteomes and analyzing protein processing by mass spectrometric identification of sorted N-terminal peptides.

  Gevaert K, Goethals M, Martens L, Van Damme J, Staes A, Thomas GR, Vandekerckhove J.

  Nature Biotechnology 2003 May; 21(5):566.

Disease

- Alzheimer Disease
- Biliary Atresia
- Genetic Predisposition to Disease
- Tobacco Use Disorder