XPNPEP1 rabbit monoclonal antibody

Catalog # H00007511-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human XPNPEP1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human XPNPEP1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human XPNPEP1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — XPNPEP1

Entrez GeneID	7511
GeneBank Accession#	XPNPEP1
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 specifically catalyzes the removal of any unsubstituted N-terminal amino acid that is adjacent to a penultimate proline residue. Because of its specificity toward proline, it has been suggested that X-prolyl aminopeptidase is important in the maturation and degradation of peptide hormones, neuropeptides, and tachykinins, as well as in the digestion of otherwise resistant dietary protein fragments, thereby 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

Disease

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