

XPNPEP2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21732c

Product Information

Application	WB, E
Primary Accession	O43895
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53580
Calculated MW	75625

Additional Information

Gene ID	7512
Other Names	Xaa-Pro aminopeptidase 2, Aminoacylproline aminopeptidase, Membrane-bound aminopeptidase P, Membrane-bound APP, Membrane-bound AmP, mAmP, X-Pro aminopeptidase 2, XPNPEP2
Target/Specificity	This XPNPEP2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 373-407 amino acids from the Central region of human XPNPEP2.
Dilution	WB~~1:2000 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	XPNPEP2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	XPNPEP2
Function	Membrane-bound metalloprotease which catalyzes the removal of a penultimate prolyl residue from the N-termini of peptides, such as Arg-Pro-Pro. May play a role in the metabolism of the vasodilator bradykinin.

Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q95333}; Lipid-anchor, GPI-anchor {ECO:0000250 UniProtKB:Q95333}
Tissue Location	Expressed in kidney, lung, heart, placenta, liver, small intestine and colon. No expression in brain, skeletal muscle, pancreas, spleen, thymus, prostate, testis and ovary

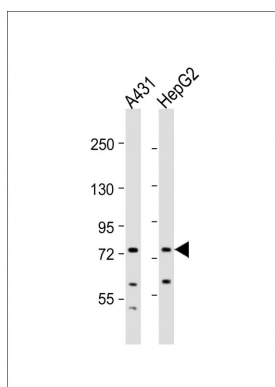
Background

A metalloprotease that may play a role in the inflammatory process and other reactions produced in response to injury or infection. May also play a role in the metabolism of the vasodilator bradykinin.

References

Venema R.C.,et al.Biochim. Biophys. Acta 1354:45-48(1997).
 Sprinkle T.J.C.,et al.Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
 Ryan J.W.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
 Ross M.T.,et al.Nature 434:325-337(2005).
 Duan Q.L.,et al.Am. J. Hum. Genet. 77:617-626(2005).

Images



All lanes : Anti-XPNPEP2 Antibody (Center) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 76 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.