ARG42117
anti-XPNPEP2 / mAPP antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes XPNPEP2 / mAPP
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	XPNPEP2 / mAPP
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 22-240 of Human XPNPEP2 / mAPP (NP_003390.4).
Conjugation	Un-conjugated
Alternate Names	Membrane-bound aminopeptidase P; mAmP; APP2; AEACEI; Xaa-Pro aminopeptidase 2; Membrane-bound AmP; Aminoacylproline aminopeptidase; Membrane-bound APP; X-Pro aminopeptidase 2; EC 3.4.11.9

Application Instructions

Application table

Application	Dilution
WB	1:1000 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	A549
Observed Size	~ 76 kDa

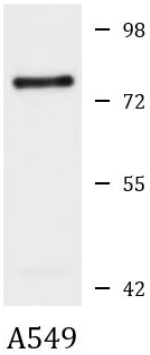
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	XPNPEP2
Gene Full Name	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound
Background	Aminopeptidase P is a hydrolase specific for N-terminal imido bonds, which are common to several collagen degradation products, neuropeptides, vasoactive peptides, and cytokines. Structurally, the enzyme is a member of the 'pita bread fold' family and occurs in mammalian tissues in both soluble and GPI-anchored membrane-bound forms. A membrane-bound and soluble form of this enzyme have been identified as products of two separate genes. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	76 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



ARG42117 anti-XPNPEP2 / mAPP antibody WB image

Western blot: 25 µg of A549 cell lysate stained with ARG42117 anti-XPNPEP2 / mAPP antibody at 1:1000 dilution.