



ADA22 Polyclonal Antibody

Catalog No	YP-Ab-06933
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ADAM22 MDC2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ADA22 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADAM 22;Disintegrin and metalloproteinase domain-containing protein 22; MDC2;Metalloproteinase-disintegrin ADAM22-3;Metalloproteinase-like; disintegrin-like;and cysteine-rich protein 2;ADA22;ADAM22 MDC2;Disintegrin and metalloproteinase domain-containing protein 22 (ADAM 22) (Metalloproteinase-disintegrin ADAM22-3) (Metalloproteinase-like;and cysteine-rich protein 2)
Observed Band	99kD
Calculated Molecular Weight	75-9 kDa
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell projection, axon .
Tissue Specificity	Highly expressed in the brain and in some high-grade but not low-grade gliomas. Detected slightly or not at all in other tissues.
Function	function:Probable ligand for integrin in the brain. This is a non catalytic metalloprotease-like protein. Involved in regulation of cell adhesion and spreading and in inhibition of cell proliferation.,PTM:The precursor is cleaved by a furin endopeptidase.,similarity:Contains 1 disintegrin domain., similarity:Contains 1 EGF-like domain.,similarity:Contains 1 peptidase M12B domain.,subunit:Interacts through its C-terminal region with YWHAB/14-3-3 beta and YWHAZ/14-3-3 zeta but not with YWHA E/14-3-3 epsilon or YWHAH/14-3-3

eta.,tissue specificity:Highly expressed in the brain and in some high-grade but not low-grade gliomas. Detected slightly or not at all in other tissues.,

Background

ADAM metallopeptidase domain 22(ADAM22) Homo sapiens This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. Unlike other members of the ADAM protein family, the protein encoded by this gene lacks metalloprotease activity since it has no zinc-binding motif. This gene is highly expressed in the brain and may function as an integrin ligand in the brain. In mice, it has been shown to be essential for correct myelination in the peripheral nervous system. Alternative splicing results in several transcript variants.[provided by RefSeq, Dec 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images