

Rabbit MATN4 Polyclonal Antibody | anti-MATN4 antibody

MATN4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40373	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

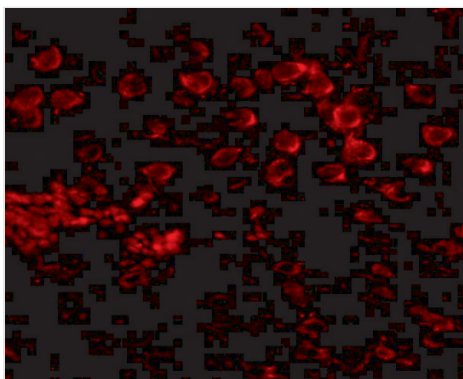
PRODUCT SYNONYMS

MATN4; Polyclonal Antibody; MATN4 Antibody; Matrilin-4; matrilin 4; anti-MATN4 antibody

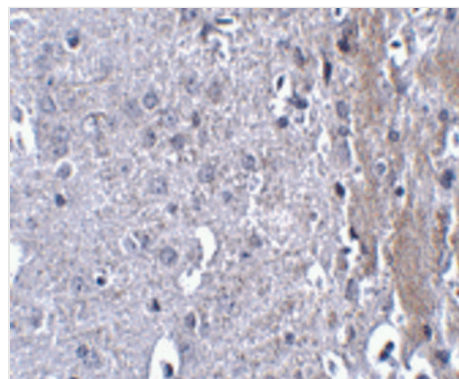
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MATN4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	540
Applicable Applications for anti-MATN4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MATN4 antibody was raised against a 13 amino acid synthetic peptide near the amino terminus of human MATN4.
Buffer	MATN4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MATN4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

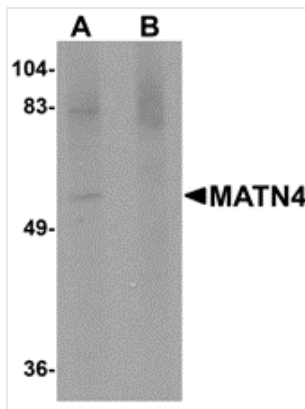
IMAGES


IF (Immunofluorescence)

Immunofluorescence of MATN4 in mouse brain tissue with MATN4 antibody at 20 µg/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of MATN4 in mouse brain tissue with MATN4 antibody at 2.5 µg/mL.



WB (Western Blot)

Western blot analysis of MATN4 in rat brain tissue lysate with MATN4 antibody at 1 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MATN4 antibody

MATN4 Antibody: Matrilin (MATNs) are a family of non-collagenous extracellular matrix proteins consisting of four known members that have been proposed to play key roles in the formation of both collagen-dependent and collagen-independent filamentous networks. Members of the matrilin family all share a structure made up of von Willebrand factor A domains, epidermal growth factor-like domains and a coiled coil alpha-helical module. MATN1 and MATN3 are expressed mainly in cartilage, while MATN2 and MATN4 occur in a wide variety of extracellular matrices such as embryonic kidney, lung, bone, cartilage and nervous system. The matrilin genes are strictly and differently regulated and their expression may serve as markers for cellular differentiation. MATN4 could serve as an odontoblast differentiation marker, e.g. in odontoblast stem cell research.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13699834
NCBI GeneID	8785
NCBI Accession #	NP_085080
NCBI GenBank Nucleotide #	NM_030590.3
UniProt Accession #	O95460; Q5QPU2; Q5QPU3; Q5QPU4; Q8N2M5; Q8N2M7; Q9H1F8; Q9H1F9; A6NH94; A6NKN5
Molecular Weight	59,588 Da
NCBI Official Full Name	matrilin-4 isoform 2
NCBI Official Synonym Full Names	matrilin 4
NCBI Official Symbol	MATN4
NCBI Protein Information	matrilin-4
UniProt Protein Name	Matrilin-4
UniProt Gene Name	MATN4
UniProt Entry Name	MATN4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/matn4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40373>