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Datasheet for ABIN6991093 **anti-MATN4 antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	MATN4
Binding Specificity:	AA 110-160, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MATN4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	MATN4 antibody was raised against a 13 amino acid synthetic peptide near the amino terminus of human MATN4. The immunogen is located within amino acids 110 - 160 of MATN4.
Isotype:	IgG
Purification:	MATN4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MATN4
Alternative Name:	MATN4 (MATN4 Products)
Background:	MATN4 Antibody: Matrilin (MATNs) are a family of non-collagenous extracellular matrix

Target Details

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.

Gene ID: 8785

NCBI Accession: [NP_085080](#)

UniProt: [O95460](#)

Application Details

Application Notes: MATN4 antibody can be used for detection of MATN4 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: MATN4 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: MATN4 antibody can be stored at 4°C for three months and -20°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.