

Product datasheet for **TA306768**

Matrilin 3 (MATN3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	MATN3 antibody was raised against a 13 amino acid peptide from near the center of human MATN3.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	matrilin 3
Database Link:	AAI39908 Entrez Gene 4148 Human O15232



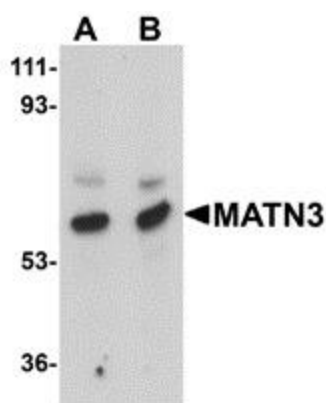
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Background:

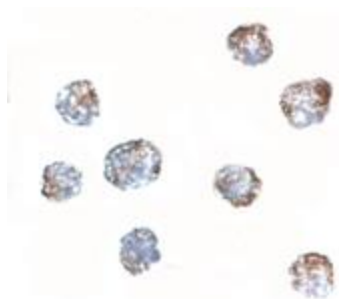
Matrilins (MATNs) are a family of non-collagenous extra-cellular matrix (ECM) proteins consisting of four known members that have been proposed to play key roles in modulating cellular phenotypes during chondrogenesis of mesenchymal stem cells (MSCs). MATN1 and MATN3 are expressed specifically in cartilage and are among the most up-regulated ECM proteins during chondrogenesis. MATN3 is composed of a single N-terminal von Willebrand Factor A (vWFA) domain followed by four epidermal growth factor (EGF) repeats and a coiled-coil domain whereas MATN1 is composed of two vWFA domains separated by one EGF-like domain. MATN1 or MATN3 may play a role in modulating chondrogenesis during the chondrocyte differentiation process. Mutations of this gene have been associated with variety of inherited chondrodysplasias. Recent studies show that aberrant expression and processing of MATN3 are hallmarks of conventional cartilaginous neoplasms.

Synonyms:

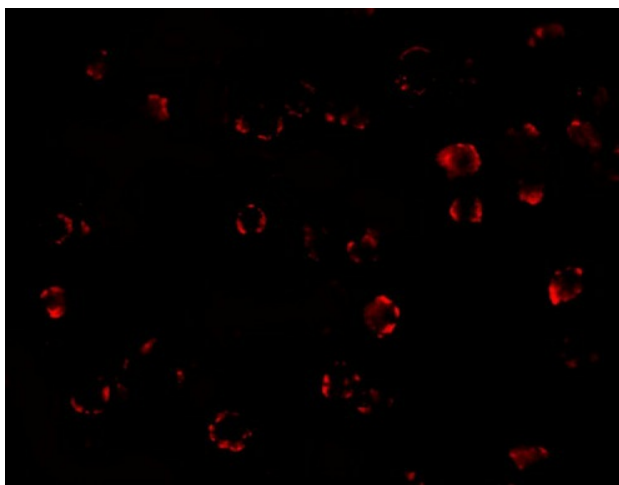
DIPOA; EDM5; HOA; OADIP; OS2

Product images:

Western blot analysis of MATN3 in rat thymus tissue lysate with MATN3 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of MATN3 in 3T3 cells tissue with MATN3 antibody at 2.5 ug/mL.



Immunofluorescence of MATN3 in 3T3 cells with MATN3 antibody at 20 ug/mL.