

MATN3 Antibody

Catalog No: #24882

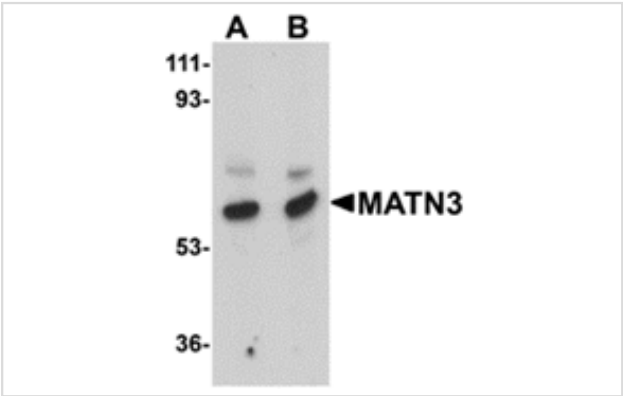


Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

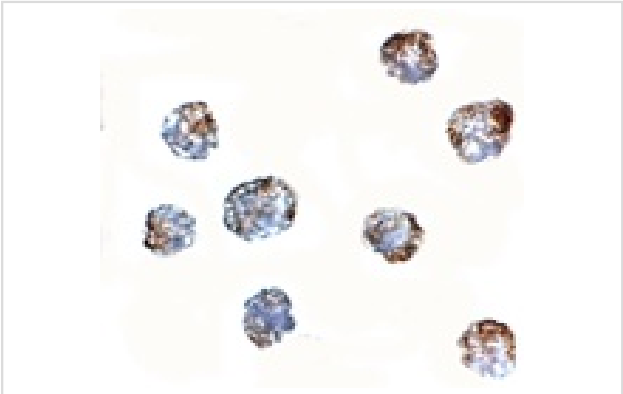
Description

Product Name	MATN3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 13 amino acid peptide from near the center of human MATN3.
Target Name	MATN3
Other Names	Matrilin 3, HOA, OS2, EDM5
Accession No.	Swiss-Prot:O15232Gene ID:4148
Uniprot	O15232
GeneID	4148;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



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.

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.

Note: This product is for in vitro research use only