

Datasheet for ABIN500244

**anti-Matrilin 3 antibody (C-Term)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	Matrilin 3 (MATN3)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Matrilin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	MATN3 antibody was raised against a 13 amino acid peptide from near the carboxy terminus of human MATN3.
Isotype:	IgG
Specificity:	This antibody detects MATN3 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

## Target Details

Target:	Matrilin 3 (MATN3)
Alternative Name:	Matrilin-3 ( <a href="#">MATN3 Products</a> )

## Target Details

**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: MATN3

**Gene ID:** 4148

**NCBI Accession:** [NP\\_002372](#)

**UniProt:** [O15232](#)

## Application Details

**Application Notes:** ELISA. Western blot: 1 - 2 µg/mL. Immunofluorescence.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

**Concentration:** 1 mg/mL

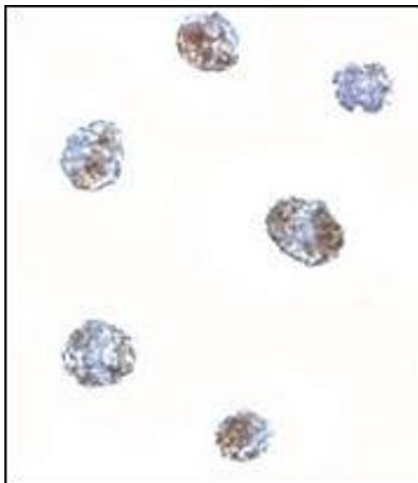
**Buffer:** PBS containing 0.02 % sodium azide

**Preservative:** Sodium azide

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

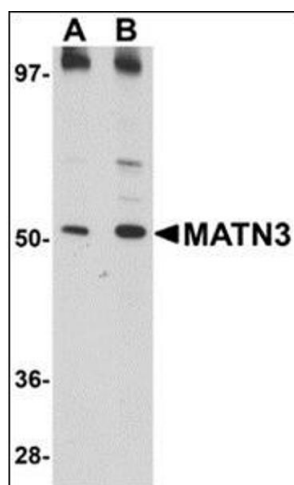
**Storage:** 4 °C

**Storage Comment:** Store at 2 - 8 °C.



#### Immunofluorescence

**Image 1.** Immunocytochemistry of MATN3 in 3T3 cells with this product at 5 µg/ml.



#### Western Blotting

**Image 2.** Western blot analysis of MATN3 in 3T3 cell lysate with this product at (A) 1 and (B) 2 µg/ml.