

Datasheet for ABIN500248  
**anti-MATN4 antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

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

## Product Details

Immunogen:	MATN4 antibody was raised against a 13 amino acid peptide near the amino terminus of human MATN4.
Isotype:	IgG
Specificity:	This antibody detects MATN4.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

## Target Details

Target:	MATN4
---------	-------

## Target Details

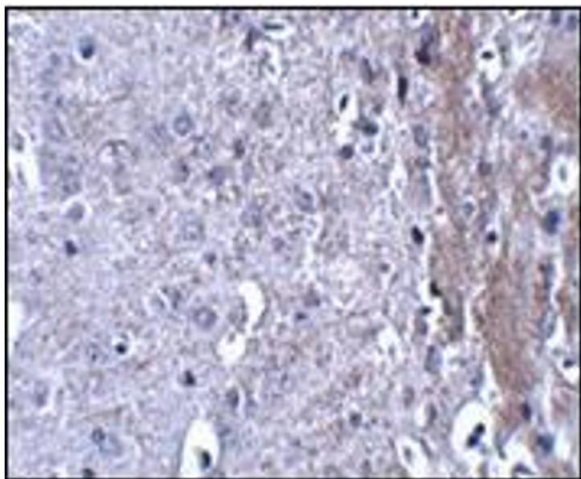
Alternative Name:	Matrilin-4 ( <a href="#">MATN4 Products</a> )
Background:	Matrilin (MATNs) are a family of non-collagenous extracellular matrix proteins consisting of four known members that have been proposed to play key roles in the formation of both collagen-dependent and collagen-independent filamentous 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. Synonyms: MATN4
Gene ID:	8785
NCBI Accession:	<a href="#">NP_085080</a>
UniProt:	<a href="#">O95460</a>

## Application Details

Application Notes:	ELISA. Western blot: 1 - 2 $\mu$ g/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

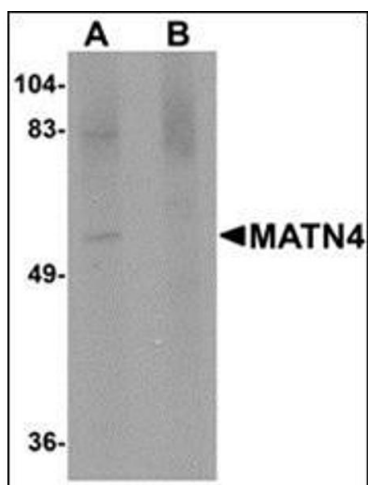
## Handling

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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of MATN4 in mouse brain tissue with this product at 2.5 µg/ml.



#### Western Blotting

**Image 2.** Western blot analysis of MATN4 in rat brain tissue lysate with this product at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.