



# MATN3 Monoclonal Antibody

Catalog No	BYmab-06809
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	MATN3
Protein Name	Matrilin-3
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	MATN3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	53kD
Cell Pathway	Secreted .
Tissue Specificity	Expressed only in cartilaginous tissues, such as vertebrae, ribs and shoulders.
Function	disease:Defects in MATN3 are the cause of multiple epiphyseal dysplasia type 5 (EDM5) [MIM:607078]. EDM is a generalized skeletal dysplasia associated with significant morbidity. Joint pain, joint deformity, waddling gait, and short stature are the main clinical signs and symptoms. EDM is broadly categorized into the more severe Fairbank and the milder Ribbing types. EDM5 is relatively mild and clinically variable. It is primarily characterized by delayed and irregular ossification of the epiphyses and early-onset osteoarthritis.,disease:Defects in MATN3 are the cause of spondyloepimetaphyseal dysplasia bowed-legs type (SEMD bowed-legs type) [MIM:608728]; also known as matrilin-3 related SEMD. Affected individuals show disproportionate early-onset dwarfism, bowing of the lower limbs, lumbar lordosis and normal hands. Skeletal abnormalities include short, wide and stocky long bones with s

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**Background**

This gene encodes a member of von Willebrand factor A domain containing protein family. This family of proteins is thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. This protein contains two von Willebrand factor A domains; it is present in the cartilage extracellular matrix and has a role in the development and homeostasis of cartilage and bone. Mutations in this gene result in multiple epiphyseal dysplasia. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658