

COMP rabbit monoclonal antibody

Catalog # H00001311-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human COMP peptide using ARM Technology.
Immunogen	A synthetic peptide of human COMP is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human COMP peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — COMP

Entrez GeneID	1311
GeneBank Accession#	COMP
Gene Name	COMP
Gene Alias	EDM1, EPD1, MED, MGC131819, MGC149768, PSACH, THBS5
Gene Description	cartilage oligomeric matrix protein
Omim ID	132400 177170 600310
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a noncollagenous extracellular matrix (ECM) protein. It consists of five identical glycoprotein subunits, each with EGF-like and calcium-binding (thrombospondin-like) domains. Oligomerization results from formation of a five-stranded coiled coil and disulfide bonds. Binding to other ECM proteins such as collagen appears to depend on divalent cations. Mutations can cause the osteochondrodysplasias pseudoachondroplasia (PSACH) and multiple epiphyseal dysplasia (MED). [provided by RefSeq]
Other Designations	cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple) cartilage oligomeric matrix protein(pseudoachondroplasia, epiphyseal dysplasia 1, multiple) pseudoachondroplasia (epiphyseal dysplasia 1, multiple) thrombospondin

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [TGF-beta signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoarthritis](#)
- [Osteochondrodysplasias](#)
- [Osteoporosis](#)