

COMP polyclonal antibody

Catalog # PAB13707 Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against native COMP.
Immunogen	Native purified human COMP.
Host	Rabbit
Reactivity	Bovine, Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1:200-1:500) Immunohistochemistry (Frozen sections) (1:50-1:100) Immunoprecipitation (1:10-1:50) The optimal working dilution should be determined by the end user.
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry (Frozen sections)
- Immunoprecipitation

Gene Info — COMP

Entrez GeneID	1311
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](#)