

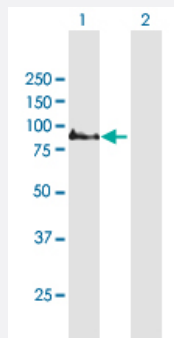
MaxPab®

COMP purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001311-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of COMP expression in transfected 293T cell line ([H00001311-T01](#)) by COMP MaxPab polyclonal antibody.

Lane 1: COMP transfected lysate(79.64 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human COMP protein.

Immunogen

COMP (ABM87644.1, 1 a.a. ~ 724 a.a) full-length human protein.

Sequence

MLRELQETNAALQDVRELLRQQVREITFLKNTVMECDACGMQQSVRTGLPSVRPLLHCAPGFCF
PGVACIQTESGARGPCPAGFTGNGSHCTDVNECNAHPCFPRVRCINTSPGFRCEACPPGYSG
PTHQGVGLAFKANKQVCTDINECETGQHNCVPNSVCINTRGSFQCGPCQPGFVGDAQSGCQR
RAQRFCPDGSPSECEHADCVLERDGSRSVCVAGWAGNGILCGRD TDLDGFPDEKLRCPER
QCRKDN CVTPNSGQEDVDRDGIGDACDPADGDGVPNEKDNCLVRNPDQRNTDEDKWGD
ACDNCRSQKNDDQKDTDQDGRGDACDDDDIDGDRIRNQADNCPRVNSDQKDSGDGIGDACD
NCPQKSNPDQADVDHDFVGDACDSDQDQDGDGHQDSRDNCPTVPNSAQEDSDHDGQGDAC
DDDDNDGVPDSRDNCRLVPNPGQEDADRDGVGDVCQDDFDADKVVDKIDVCPENAEVTLT
DFRAFQTVVLDPEGDAQIDPNWVVLNQGRENQTMNSDPGLAVGYTAFNGVD FEGTFHNTVTD
DDYAGFIFGYQDSSSFYVMWKQMEQTYWQANPFRVAEPIQLKAVKSSTGPGQEQLRNALWH
TGD TESQVRLLWKDPRNVGWKDKKSYRWFLQHRPQVG YIRVRFYEGPELVADSNVLDTTMRG
GRLGVFCFSQENI WANLRYRCNDTIPEDYETHQLRQA

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (92)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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[Protocol Download](#)

Gene Info — COMP

Entrez GeneID	1311
GeneBank Accession#	DQ896645.2
Protein Accession#	ABM87644.1
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 pseudochoondroplasia (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

Publication Reference

- [Protein expression profiles of human lymph and plasma mapped by 2D-DIGE and 1D SDS-PAGE coupled with nanoLC-ESI-MS/MS bottom-up proteomics.](#)

Clement CC, Aphkhazava D, Nieves E, Callaway M, Olszewski W, Rotzschke O, Santambrogio L.

Journal of Proteomics 2013 Jan; 78:172.

Application: WB-Ce, Human, Lymph, Plasma

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](#)