

DNAxPAb

Hard-to-Find  
Antibody

# COMP DNAxPab

Catalog # H00001311-W01P

Size 200 ug

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human COMP DNA using DNAx™ Immune technology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Technology              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence                | MLRELQETNAALQDVRELLRQQVREITFLKNTVMECDACGMQQSVRTGLPSVRPLLHCAPGFCF<br>PGVACIQTESGARCGPCPAGFTGNNGSHCTDVNECNAHPCFPRVRCINTSPGFRCEACPPGYSG<br>PTHQGVGLAFKANKQVCTDINECETGQHNCVPNSVCINTRGSFQCGPCQPGFVGDQASGCQR<br>RAQRFCPDGSPSECEHADCVLERDGSRSVCVAVGWAGNGILCGRDLDLGFDEKLRCPER<br>QCRKDNCTVPNSGQEDVDRDGIGDACDPDADGDGVPNEKDNCLVRNPDQRNTDEDKWGD<br>ACDNCRSQKNDDQKDTDQDGRGDACDDDDIDGDRIRNQADNCPRVNSDQKSDSDGIGDACD<br>NCPQKSNPDQADVHDHDFVGDACDSDQDQDGDGHQDSRDNCPTVPNSAQEDSDHDGQGDAC<br>DDDDNDNGVPDSRDNCRLVPNPGQEDADRDGVGDVCQDDFDADKVVDKIDVCPENAEVTLT<br>DFRAFQTVVLDPEGDAQIDPNWVVLNQGRENQTMNSDPGLAVGYTAFNGVDFEGTFHVNTVTD<br>DDYAGFIFYQDSSSFYVMWKQMEQTYWQANPFRAVAEPGIQLKAVKSSTGPGEQLRNALWH<br>TGDTESQVRLWLDPRNVGWKDKKSYRWFLQHRPQVGIRVRFYEGPELVADSNVVLDTTMRG<br>GRLGVFCFSQENIWANLRYRCNDTIPEDYETHQLRQA |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purification            | Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — COMP

Entrez GeneID [1311](#)

GeneBank Accession# [BC033676](#)

Protein Accession# [no protein\\_acc](#)

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](#)