

Product datasheet for TA374981

COMP Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ICC/IF, WB

Recommended Dilution: WB,1:500 - 1:2000

IF,1:50 - 1:200

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 20-160 of

human COMP (NP_000086.2).

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C. Avoid freeze / thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 77kDa/82kDa

Gene Name: cartilage oligomeric matrix protein

Database Link: Entrez Gene 1311 Human

P49747

Background: 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 disulfides. Binding to other ECM proteins such as collagen appears to depend on divalent cations. Contraction or expansion of a 5 aa aspartate repeat and other mutations

can cause pseudochondroplasia (PSACH) and multiple epiphyseal dysplasia (MED).



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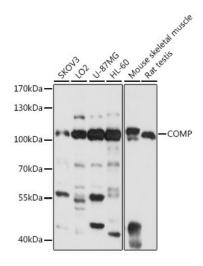
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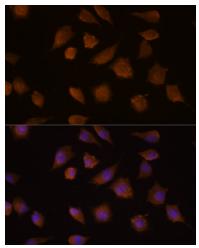
Synonyms:

EDM1; EPD1; MED; MGC131819; MGC149768; PSACH; THBS5; thrombospondin-5; TSP5

Product images:



Western blot analysis of extracts of various cell lines, using COMP antibody (TA374981) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 1s.



Immunofluorescence analysis of L929 cells using COMP Rabbit pAb (TA374981) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.