

Anti-COMP / THBS5 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17366**Specification**

Anti-COMP / THBS5 Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P49747
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	82860

Anti-COMP / THBS5 Antibody - Additional Information**Gene ID** 1311

Alias Symbol	COMP
Other Names	
COMP, MED, PSACH, Thrombospondin-5, TSP5, THBS5, EDM1, EPD1	

Target/Specificity
Human COMP / THBS5.

Reconstitution & Storage
PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions
Anti-COMP / THBS5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-COMP / THBS5 Antibody - Protein Information

Name COMP ([HGNC:2227](#))

Function
Plays a role in the structural integrity of cartilage via its interaction with other extracellular matrix proteins such as the collagens and fibronectin. Can mediate the interaction of chondrocytes with the cartilage extracellular matrix through interaction with cell surface integrin receptors (PubMed:16542502, PubMed:16051604). Could play a role in the pathogenesis of osteoarthritis (PubMed:16542502). Potent suppressor of apoptosis in both primary chondrocytes and transformed cells. Suppresses apoptosis by blocking the activation of caspase-3 and by inducing the IAP family of survival proteins (BIRC3, BIRC2, BIRC5 and XIAP) (PubMed:17993464).

target="_blank">17993464). Essential for maintaining a vascular smooth muscle cells (VSMCs) contractile/differentiated phenotype under physiological and pathological stimuli. Maintains this phenotype of VSMCs by interacting with ITGA7 (By similarity).

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

Abundantly expressed in the chondrocyte extracellular matrix, and is also found in bone, tendon, ligament and synovium and blood vessels. Increased amounts are produced during late stages of osteoarthritis in the area adjacent to the main defect

Anti-COMP / THBS5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-COMP / THBS5 Antibody - Images