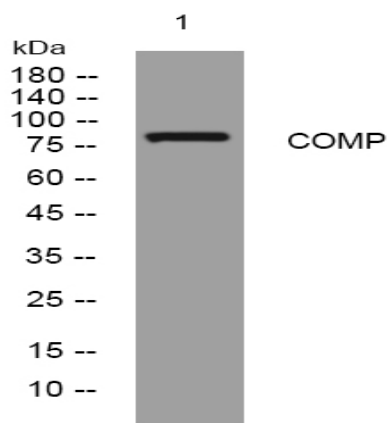


COMP rabbit pAb

Catalog No :	YT6588
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	COMP
Fields :	>>Phagosome;>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Malaria;>>Human papillomavirus infection
Gene Name :	COMP
Protein Name :	COMP
Human Gene Id :	1311
Human Swiss Prot No :	P49747
Mouse Gene Id :	12845
Mouse Swiss Prot No :	Q9R0G6
Rat Gene Id :	25304
Rat Swiss Prot No :	P35444
Immunogen :	Synthesized peptide derived from human COMP AA range: 628-678
Specificity :	This antibody detects endogenous levels of COMP at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	83kD
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 pseudoachondroplasia (PSACH) and multiple epiphyseal dysplasia (MED). [provided by RefSeq, Jul 2016],
Function :	disease:Defects in COMP are the cause of multiple epiphyseal dysplasia type 1 (EDM1) [MIM:132400]. EDM is a generalized skeletal dysplasia associated with significant morbidity. Joint pain, joint deformity, waddling gait, and short stature are the main clinical signs and symptoms. EDM is broadly categorized into the more severe Fairbank and the milder Ribbing types.,disease:Defects in COMP are the cause of pseudoachondroplasia (PSACH) [MIM:177170]. PSACH is a dominantly inherited chondrodysplasia characterized by short stature and early-onset osteoarthritis. PSACH is more severe than EDM1 and is recognized in early childhood.,similarity:Belongs to the thrombospondin family.,similarity:Contains 1 TSP C-terminal (TSPC) domain.,similarity:Contains 4 EGF-like domains.,similarity:Contains 8 TSP type-3 repeats.,subunit:Pentamer; disulfide-linked.,
Subcellular Location :	Secreted, extracellular space, extracellular matrix .
Expression :	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.

Products Images



Western blot analysis of lysates from Jurkat cells, primary antibody was diluted at 1:1000, 4° over night