10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CILP2 Rabbit pAb

Catalog # AP97531

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8IUL8
Other Accession	Q8IUL8
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	126291
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CILP2
Epitope Specificity	1001-1156/1156
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 TSP type-1 domain.
Post-translational modifications	May be cleaved into 2 chains possibly by a furin-like protease upon or preceding secretion.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Cartilage intermediate layer protein (CILP), an extracellular matrix protein, shows abundant expression in cartilagenous tissues. CILP is expressed as two isoforms, CILP and CILP-2, which are differentially expressed by chondrocytes and induced by TGFʃ1. This induction is mediated by Smad3 through direct interactions with cis-elements in the CILP promoter region. TGFʃ also induces elevated chondrocyte extracellular inorganic pyrophosphate (PPi), which promotes the deposition of calcium pyrophosphate dihydrate crystals. The CILP isoforms have been implicated in common musculoskeletal disorders, including osteoarthritis, rheumatoid arthritis and lumbar disc disease.

Additional Information

Gene ID	148113
Other Names	CLIP-2; CILP2_HUMAN; CILP2; CILP-2; cartilage intermediate layer protein 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CILP2
Function	May play a role in cartilage scaffolding.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Expressed in articular chondrocytes but not in knee meniscal cartilage cells (PubMed:12746903). Localizes to the intermediate to deep zone of articular cartilage (PubMed:21880736)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.