

Product datasheet for **TA302452**

CILP Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:128,000. WB: 0.1-0.3µg/ml.
Reactivity:	Rat (Expected from sequence similarity: Human, Mouse, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-NYRRTDHEDPRVK, from the internal region of the protein sequence according to NP_003604.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	136204 Da
Gene Name:	cartilage intermediate layer protein
Database Link:	NP_003604 Entrez Gene 214425 Mouse Entrez Gene 315761 Rat Entrez Gene 487603 Dog Entrez Gene 8483 Human O75339



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Background:

Major alterations in the composition of the cartilage extracellular matrix occur in joint disease, such as osteoarthritis. This gene encodes the cartilage intermediate layer protein (CILP), which increases in early osteoarthritis cartilage. The encoded protein was thought to encode a protein precursor for 2 different proteins, namely CILP and a homolog of NTPPHase, however later studies identified no nucleotide pyrophosphatase phosphodiesterase (NPP) activity. One isoform of the protein, CILP-1, functions as an IGF-1 antagonist.

Synonyms:

CILP-1; HsT18872

Protein Families:

Druggable Genome, Phosphatase, Secreted Protein

Product images:

TA302452 (0.03ug/ml) staining of rat spinal cord lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.