



Anti-CILP (aa 129-226) polyclonal antibody (DPAB-DC3500)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 two different proteins; an N-terminal CILP and a C-terminal homolog of NTPPHase, however, later studies identified no nucleotide pyrophosphatase phosphodiesterase (NPP) activity. The full-length and the N-terminal domain of this protein was shown to function as an IGF-1 antagonist. An allelic variant of this gene has been associated with lumbar disc disease.
Immunogen	CILP (NP_003604, 129 a.a. ~ 226 a.a) partial recombinant protein with GST tag. The sequence is NCSNYTVRFLCPPGSLRRDTERIWS PWSPWSKCSAACGQTVQTRTRICLAEMVSLCSEA SEEGQHCMGQDCTACDLTCPMGQVNADCDACMCQDFML
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CILP cartilage intermediate layer protein, nucleotide pyrophosphohydrolase [Homo sapiens (human)]
Official Symbol	CILP
Synonyms	CILP; cartilage intermediate layer protein, nucleotide pyrophosphohydrolase; CILP-1; HsT18872; cartilage intermediate layer protein 1; cartilage intermediate-layer protein; cartilage intermediate layer protein 1 C1; cartilage intermediate layer protein 1 C2;
Entrez Gene ID	8483
Protein Refseq	NP_003604
UniProt ID	Q75339
Chromosome Location	15q22
Function	NOT alkaline phosphatase activity; NOT nucleotide diphosphatase activity;