

**bs-13955R****[ Primary Antibody ]**

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**CILP2 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ICC/IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Horse)  <b>Predicted MW.:</b> 126 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 148113	<b>SWISS:</b> Q8IUL8	
<b>Target:</b> CILP2		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CILP2: 1001-1156/1156.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Cartilage intermediate layer protein (CILP), an extracellular matrix protein, shows abundant expression in cartilaginous tissues. CILP is expressed as two isoforms, CILP and CILP-2, which are differentially expressed by chondrocytes and induced by TGF $\beta$ 1. This induction is mediated by Smad3 through direct interactions with cis-elements in the CILP promoter region. TGF $\beta$ 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.		

**— SELECTED CITATIONS —**

- **[IF=3.8]** Zhaorui Wang. et al. Metabolomics- and Proteomics-Based Disease Diagnostic Classifier Model for the Prediction and Diagnosis of Colorectal Carcinoma...JOURNAL OF PROTEOME RESEARCH. 2025 Mar 19. IHC ;Human. 40108892