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Datasheet for ABIN6979884

anti-CILP antibody (AA 1051-1184) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	CILP
Binding Specificity:	AA 1051-1184
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CILP antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CILP
Isotype:	IgG
Specificity:	The immunogen falls within the Cartilage intermediate layer protein 1 C2 region.
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Cow,Sheep,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CILP
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Target Details

Alternative Name:	CILP (CILP Products)
Background:	<p>Synonyms: CILP-1, HsT18872, Cartilage intermediate layer protein 1, Cartilage intermediate-layer protein, CILP, UNQ602/PRO1188</p> <p>Background: Probably plays a role in cartilage scaffolding. May act by antagonizing TGF-beta1 (TGFB1) and IGF1 functions. Has the ability to suppress IGF1-induced proliferation and sulfated proteoglycan synthesis, and inhibits ligand-induced IGF1R autophosphorylation. May inhibit TGFB1-mediated induction of cartilage matrix genes via its interaction with TGFB1.</p> <p>Overexpression may lead to impair chondrocyte growth and matrix repair and indirectly promote inorganic pyrophosphate (PPi) supersaturation in aging and osteoarthritis cartilage.</p>

Gene ID: 8483

UniProt: [O75339](#)

Application Details

Application Notes:	FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months