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CHADL Antibody

Catalog # ASC11963

Product Information

Application	WB, E
Primary Accession	Q6NUI6
Other Accession	NP_612490, 194440719
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	82388
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	CHADL antibody can be used for the detection of CHADL by Western blot at 1 - 2 □g/mL.

Additional Information

Gene ID	150356
Other Names	Chondroadherin-like protein, CHADL, SLRR4B
Target/Specificity	CHADL; CHADL antibody is human, mouse and rat reactive. CHADL antibody is predicted to not cross-react with Chondroadherin protein.
Reconstitution & Storage	CHADL antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.
Precautions	CHADL Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CHADL
Synonyms	SLRR4B
Function	Potential negative modulator of chondrocyte differentiation. Inhibits collagen fibrillogenesis in vitro. May influence chondrocyte's differentiation by acting on its cellular collagenous microenvironment.
Cellular Location	Secreted. Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:E9Q7T7}

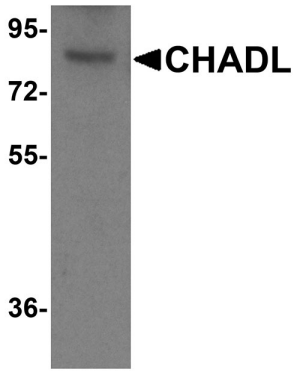
Background

The Chondroadherin-like (CHADL) protein, also known as SLRR4B, is homologous to the Chondroadherin protein and is expressed cartillaginous tissues (1). Like Chondroadherin, CHADL belongs to the small leucine-rich proteoglycan (SLRP) family and class IV subfamily and plays a significant role in the regulation of chondrocyte growth and proliferation (1,2). CHADL is thought to play a negative regualtory role in collagen fibrillogenesis and chondrocyte differentiation (1).

References

Tillgren V, Ho JC, Onnerfjord P, et al. The novel small leucine-rich protein chondroadherin-like (CHADL) is expressed in cartilage and modulates chondrocyte differentitation. J. Biol. Chem. 2015; 290:918-25.
Neame PJ, Sommarin Y, Boynton RE, et al. The structure of a 38-kDa leucine-rich protein (chondroadherin) isolated from bovine cartilage. J. Biol. Chem. 1994; 269:21547-54.

Images



Western blot analysis of CHADL in mouse kidney tissue lysate with CHADL antibody at (A) 1 and (B) 2 µg/ml.

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