

# CHADL Antibody

Catalog # ASC11963

## Product Information

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

## Additional Information

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

## Protein Information

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

## Background

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The Chondroadherin-like (CHADL) protein, also known as SLRR4B, is homologous to the Chondroadherin protein and is expressed cartilaginous 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 regulatory role in collagen fibrillogenesis and chondrocyte differentiation (1).

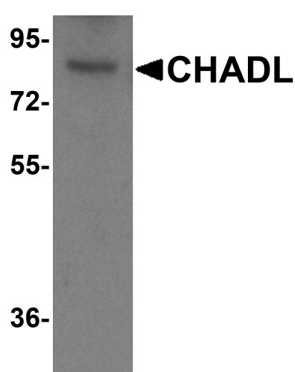
## References

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Tillgren V, Ho JC, Onnerfjord P, et al. The novel small leucine-rich protein chondroadherin-like (CHADL) is expressed in cartilage and modulates chondrocyte differentiation. *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

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

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