



Rabbit Anti-CHAD antibody

SL13884R

Product Name:	CHAD
Chinese Name:	富含亮氨酸软骨蛋白抗体
Alias:	Cartilage leucine rich protein; Cartilage leucine-rich protein; Chad; CHAD_HUMAN; Chondroadherin; Chondroadherin proteoglycan; SLRR4A.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	38kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CHAD:281-359/359
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	CHAD is implicated in the adhesion of fibroblasts, osteoblasts and chondrocytes, which is mediated by interactions with Integrin $\alpha 2/\beta 1$. Existing primarily in monomeric form, CHAD is a secreted protein that localizes to the extracellular matrix and belongs to the small leucine-rich proteoglycan (SLRP) family and class IV subfamily. CHADL (Chondroadherin-like protein) is a 762 amino acid protein containing 21 LRR (leucine-rich) repeats, which promote protein-ligand interactions. Chondroadherin, a closely

related protein, promotes attachment of chondrocytes, osteoblasts and fibroblasts and also plays an important role in the regulation of chondrocyte proliferation and growth. CHADL is a secreted protein that is located in the extracellular space. There are two isoforms of CHADL that exist as a result of alternative splicing events.

Function:

Promotes attachment of chondrocytes, fibroblasts, and osteoblasts. This binding is mediated (at least for chondrocytes and fibroblasts) by the integrin alpha(2)beta(1). May play an important role in the regulation of chondrocyte growth and proliferation.

Subcellular Location:

Secreted; extracellular space; extracellular matrix.

Tissue Specificity:

Present in chondrocytes at all ages.

Similarity:

Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class IV subfamily.

Contains 9 LRR (leucine-rich) repeats.

Contains 1 LRRCT domain.

Contains 1 LRRNT domain.

SWISS:

O15335

Gene ID:

1101

Database links:

[Entrez Gene: 1101](#) Human

[Entrez Gene: 281069](#) Cow

[Entrez Gene: 609296](#) Dog

[Entrez Gene: 12643](#) Mouse

[Entrez Gene: 29195](#) Rat

[Omim: 602178](#) Human

[SwissProt: Q27972](#) Cow

[SwissProt: O15335](#) Human

[SwissProt: O55226](#) Mouse

[SwissProt: O70210](#) Rat

[Unigene: 97220](#) Human

[Unigene: 440523](#) Mouse

[Unigene: 9899](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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