For Research Use Only

CHAD Polyclonal antibody

Catalog Number:12963-1-AP 1 Publications

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Basic Information

Catalog Number:
12963-1-AP

Size:
153 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4077

GenBank Accession Number:
BC036360

GeneID (NCBI):
1101

UNIPROT ID:
O15335

Full Name:
chondroadherin

Calculated MW:
359 aa, 40.5 kDa

Observed MW:
41 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human

Positive Controls:

WB : HeLa cells, MCF-7 cells, Jurkat cells

Background Information

Chondroadherin (CHAD), also known as cartilage leucine-rich protein, is a prominent noncollagenous extracellular protein in cartilage. It was first isolated from bovine cartilage. The primary structure of CHAD shows that it belongs to the family of leucine-rich repeat (LRR) proteins. It is expressed at high levels in certain zones of cartilage and also has been detected in bone, tendon, bone marrow, and chondrosarcoma cells. CHAD promotes attachment of chondrocytes, fibroblasts, and osteoblasts, mediated via the integrin alpha2beta1. It has also been shown to bind to collagen type II and both collagen type II and chondroadherin interact with integrin alpha2beta1. Besides, CHAD may play an important role in the regulation of chondrocyte growth and proliferation.

Notable Publications

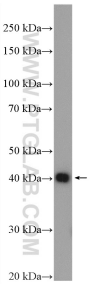
Author	Pubmed ID	Journal	Application
Bing Xin	33125687	Reprod Sci	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 12963-1-AP (CHAD antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.