

CHAD Polyclonal Antibody

Catalog number: 12963-1-AP

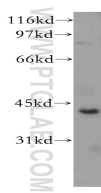
Size: 23 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

CHAD; Cartilage leucine rich protein, CHAD, chondroadherin, SLRR4A



MCF7 cells were subjected to SDS PAGE followed by western blot with 12963-1-AP (CHAD antibody) at dilution of 1:400

Background

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.

Applications

Tested applications:	ELISA, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated CHAD MW:	359aa, 40.5 kDa
Observed CHAD MW:	41 kDa
Positive WB detected in	MCF7 cells, HeLa cells, Jurkat cells
Recommended dilution:	WB: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4077
GenBank accession number:	BC036360
Gene ID (NCBI):	1101
Full name:	Chondroadherin

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.