

Rabbit Anti-DIXDC1 antibody

SL14334R

Product Name DIXDC1

Chinese Name 卷曲螺旋蛋白 DIX1 抗体

Alias CCD1; Ccd1Aalpha1L; Ccd1Abeta1L; Ccd1BalphaL; Ccd1BbetaL; Ccd1CL; Coiled coil DIX1; Coiled coil protein DIX1; Coiled-coil protein DIX1; Coiled-coil-DIX1; DIX domain containing 1; DIX domain containing protein 1; DIX domain-containing protein 1; DIXC1_HUMAN; DIXDC1; Dixin; KIAA1735.

Research Area Cardiovascular Cell biology Signal transduction Stem cells Kinases and Phosphatases Cytoskeleton

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Sheep,)
IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Applications (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 77kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DIXDC1: 51-150/683

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

PubMed

[PubMed](#)

The protein encoded by this gene is a positive regulator of the Wnt signaling pathway. The encoded protein is found associated with gamma tubulin at the centrosome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]

Function:

Positive effector of the Wnt signaling pathway; activates WNT3A signaling via DVL2. Regulates JNK activation by AXIN1 and DVL2.

Subcellular Location:

Cytoplasm; Cell junction; focal adhesion. Associated with actin stress fiber at the filament ends and Cytoplasm; cytosol. Colocalizes with gamma-tubulin at the centrosome, both during interphase and mitosis.

Tissue Specificity:

Ubiquitously expressed with higher expression in cardiac and skeletal muscles.

Post-translational modifications:

Phosphorylated on tyrosine and serine residues. Polyubiquitinated, leading to its proteasomal degradation. WNT3A signaling increases DIXDC1 protein levels by inhibiting its ubiquitination and subsequent degradation.

Product Detail

Similarity:

Belongs to the DIXDC1 family.
Contains 1 CH (calponin-homology) domain.
Contains 1 DIX domain.

SWISS:

Q155Q3

Gene ID:

85458

Database links:

[Entrez Gene: 85458](#) Human

[Omim: 610493](#) Human

[SwissProt: Q155Q3](#) Human

[Unigene: 655626](#) Human



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