

DLC-1 Polyclonal Antibody

Catalog No: YT1356

Reactivity: Human; Mouse; Rat

Applications: IHC;IF;ELISA

Target: DLC-1

Gene Name: DLC1

Protein Name: Rho GTPase-activating protein 7

Q96QB1

Q9R0Z9

Human Gene Id: 10395

Human Swiss Prot

No:

Mouse Gene ld: 50768

Mouse Swiss Prot

No:

Rat Swiss Prot No: Q63744

Immunogen: The antiserum was produced against synthesized peptide derived from human

RHG07. AA range:61-110

Specificity: DLC-1 Polyclonal Antibody detects endogenous levels of DLC-1 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other

applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

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Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 123kD

Background: This gene encodes a GTPase-activating protein (GAP) that is a member of the

rhoGAP family of proteins which play a role in the regulation of small GTP-binding proteins. GAP family proteins participate in signaling pathways that regulate cell processes involved in cytoskeletal changes. This gene functions as a tumor suppressor gene in a number of common cancers, including prostate, lung, colorectal, and breast cancers. Multiple transcript variants due to alternative promoters and alternative splicing have been found for this gene.[provided by

RefSeq, Apr 2010],

Function: function: Functions as a GTPase-activating protein specific for Rho and an

activator of PLCD1 in vivo and induces morphological changes and detachment through cytoskeletal reorganization.,sequence caution:Chimera. Sequence from

position 1 to 13 is due to a chimera., similarity: Contains 1 Rho-GAP

domain., similarity: Contains 1 SAM (sterile alpha motif)

domain., similarity: Contains 1 START domain., tissue specificity: Highest level of expression in the spleen, with rather lower levels in prostate, testis, ovary, small

intestine and colon, but none in the thymus.,

Subcellular Location:

Cytoplasm. Cell junction, focal adhesion. Membrane; Peripheral membrane protein. Colocalizes with EF1A1 at actin-rich regions in the cell periphery.

Expression: Highest level of expression in the spleen, with rather lower levels in prostate,

testis, ovary, small intestine and colon, but none in the thymus.

Sort: 5153

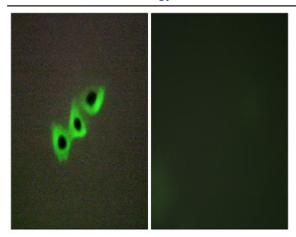
No4:

Host: Rabbit

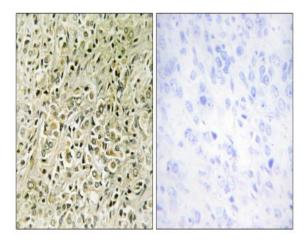
Modifications: Unmodified

Products Images

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Immunofluorescence analysis of A549 cells, using RHG07 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using RHG07 Antibody. The picture on the right is blocked with the synthesized peptide.