

## DLC-1 Polyclonal Antibody

<b>Catalog No :</b>	YT1356
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	DLC-1
<b>Gene Name :</b>	DLC1
<b>Protein Name :</b>	Rho GTPase-activating protein 7
<b>Human Gene Id :</b>	10395
<b>Human Swiss Prot No :</b>	Q96QB1
<b>Mouse Gene Id :</b>	50768
<b>Mouse Swiss Prot No :</b>	Q9R0Z9
<b>Rat Swiss Prot No :</b>	Q63744
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human RHG07. AA range:61-110
<b>Specificity :</b>	DLC-1 Polyclonal Antibody detects endogenous levels of DLC-1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**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.

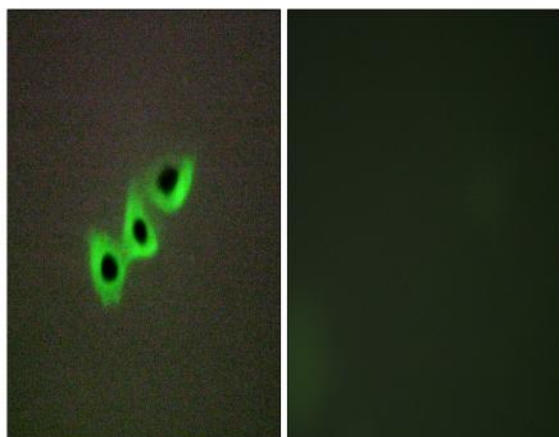
**Sort :** 5153

**No4 :** 1

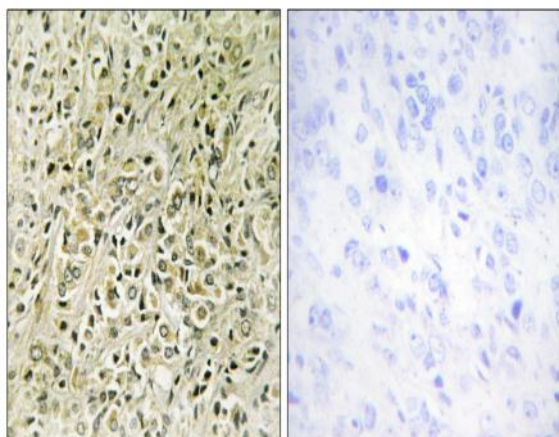
**Host :** Rabbit

**Modifications :** Unmodified

## Products Images



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.