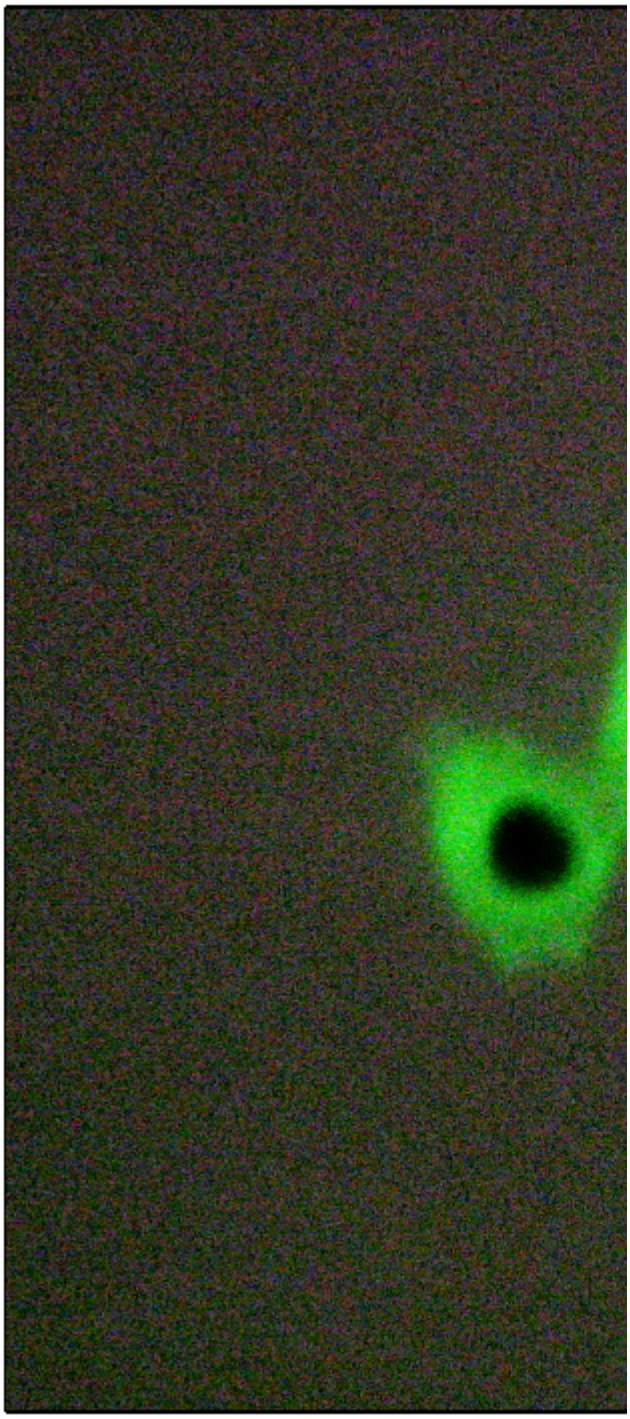
DLC-1 Polyclonal Antibody

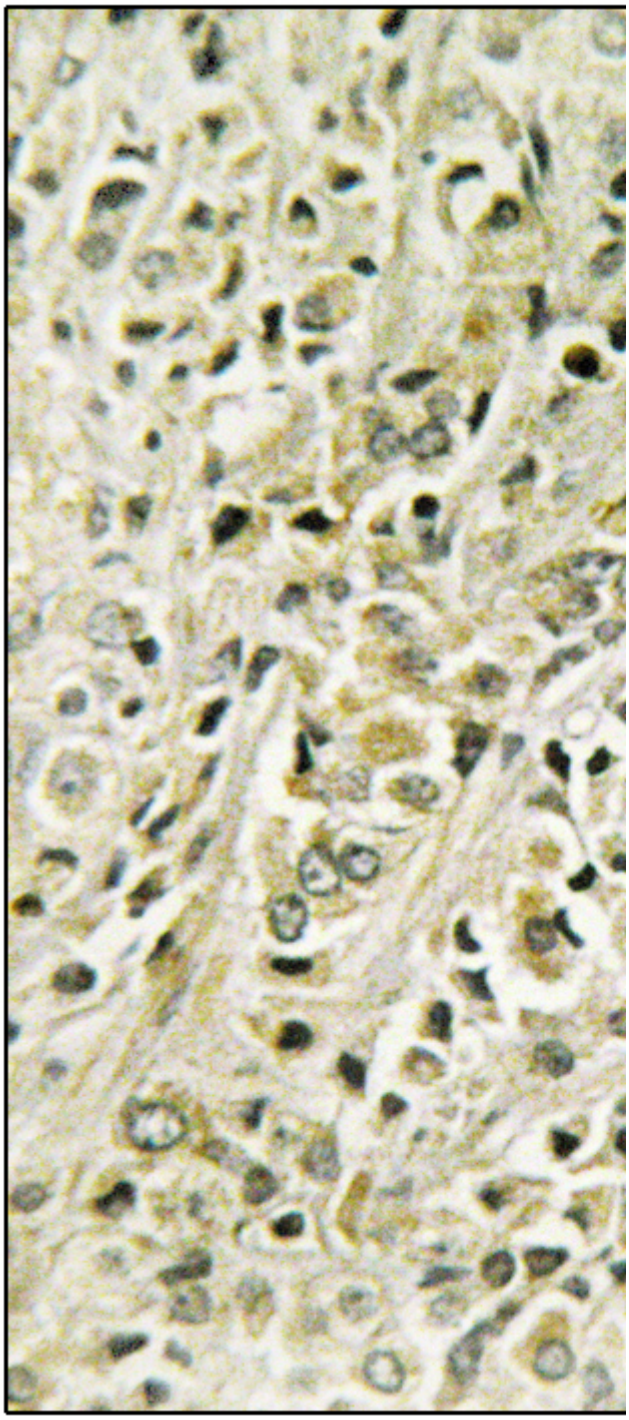
Catalog No	BYab-31768
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	DLC1
Protein Name	Rho GTPase-activating protein 7
Immunogen	The antiserum was produced against synthesized peptide derived from human RHG07. AA range:61-110
Specificity	DLC-1 Polyclonal Antibody detects endogenous levels of DLC-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DLC1; ARHGAP7; KIAA1723; STARD12; Rho GTPase-activating protein 7; Deleted in liver cancer 1 protein; DLC-1; HP protein; Rho-type GTPase-activating protein 7; START domain-containing protein 12; StARD12; StAR-related lipid transfer protein
Observed Band	
Cell Pathway	Cytoplasm. Cell junction, focal adhesion. Membrane; Peripheral membrane protein. Colocalizes with EF1A1 at actin-rich regions in the cell periphery.
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.
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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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.