DLC1 (Phospho-Ser986) Antibody

Catalog No: #11592

Package Size: #11592-1 50ul #11592-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

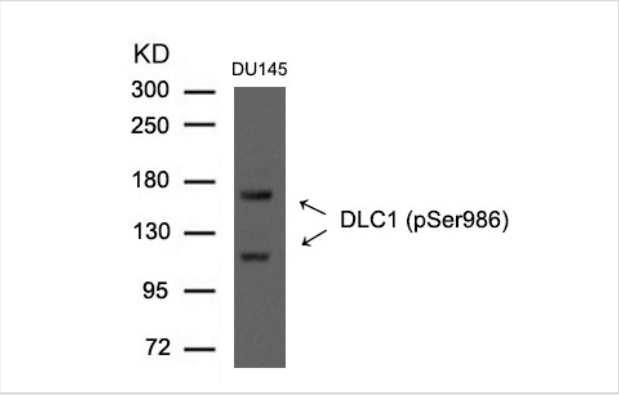
Product Name	DLC1 (Phospho-Ser986) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of DLC1 only when phosphorylated at serine 986.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 986 (R-D-S(p)-G-V) derived from Human DLC1.
Target Name	DLC1
Modification	Phospho
Other Names	ARHGAP7, KIAA1723, STARD12
Accession No.	Swiss-Prot: Q96QB1NCBI Protein: NP_872584.2.
Uniprot	Q96QB1
GeneID	10395;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 171kd 114kd 123kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from DU145 cells using DLC1 (Phospho-Ser986) Antibody #11592.

Background

Functions as a GTPase-activating protein for the small GTPases RHOA, RHOB, RHOC and CDC42, terminating their downstream signaling. This induces morphological changes and detachment through cytoskeletal reorganization, playing a critical role in biological processes such as cell migration and proliferation. Also functions in vivo as an activator of the phospholipase PLCD1. Active DLC1 increases cell migration velocity but reduces directionality.

Note: This product is for in vitro research use only