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Research Use Only. Not for diagnostic or therapeutic use.

EB06436 - Goat Anti-DLC1 (Isoforms 1 and 3) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: DLC1, HP, ARHGAP7, STARD12, FLJ21120, p122-RhoGAP, deleted in liver cancer 1, Rho-GTPase-activating protein 7, START domain containing protein 12, StAR-related lipid transfer protein 12, StAR-related lipid transfer (START) domain

containing 12, deleted in liver cancer 1 variant 2

Official Symbol: DLC1

Accession Number(s): NP_872584.2; NP_079043.3

Human GenelD(s): 10395

Non-Human GenelD(s): 50768 (mouse)

Important Comments: This antibody is expected to recognise isoforms 1 and 3 (NP_872584.2 and NP_079043.3 resp) but NOT isoform 2 (NP_006085.2).

Immunogen

Peptide with sequence SVAIRKRSWEEHC, from the N Terminus of the protein sequence according to NP_872584.2; NP_079043.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

IHC: Paraffin embedded Mouse Adrenal Gland. Recommended concentration: 4µg/ml.

Immunofluorescence: Expression of the protein seen in the cytoplasm and nucleus of U251 and U2OS cells. Recommended concentration: 10µg/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Pig

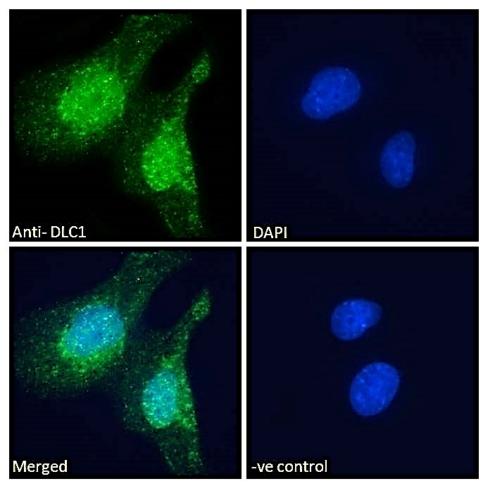
Specific Reference

This antibody (previous batch) has been successfully used in WB in Human:

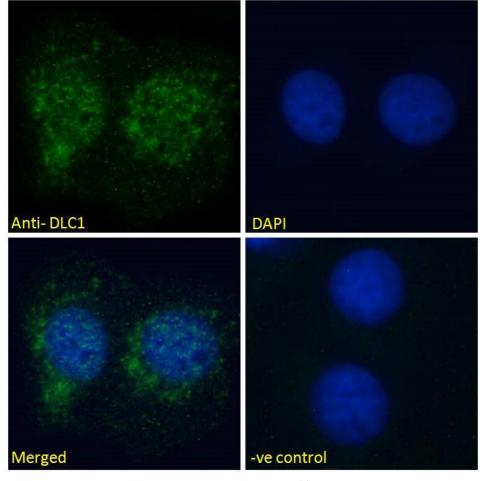
Ko FC, Yeung YS, Wong CM, Chan LK, Poon RT, Ng IO, Yam JW.

Deleted in liver cancer 1 isoforms are distinctly expressed in human tissues, functionally different and under differential transcriptional regulation in hepatocellular carcinoma. Liver Int. 2010 Jan;30(1):139-48.

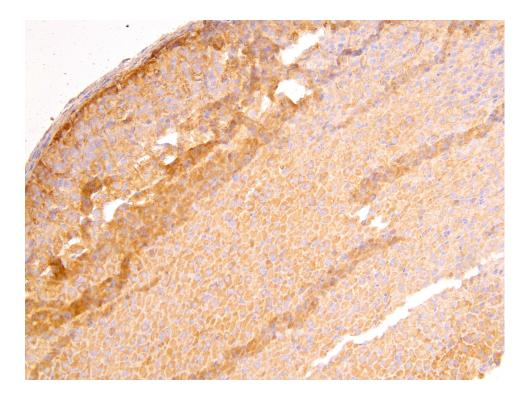
PMID: 19874489

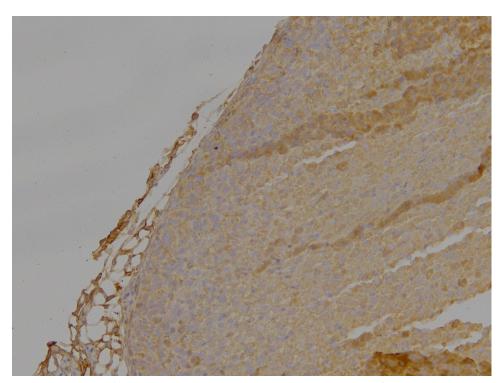


EB06436 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06436 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).





EB06436 Negative Control showing staining of paraffin embedded Mouse Adrenal Gland, with no primary antibody.