

UK Office

Everest Biotech Ltd Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries:

info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB08001 - Goat Anti-DLG1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: DLG1, discs, large homolog 1 (Drosophila), DKFZp761P0818, DKFZp781B0426, DLGH1, SAP97, dJ1061C18.1.1, hdlg, discs large homolog 1, discs, large homolog 1, presynaptic protein SAP97, synapse-associated protein 97 Official Symbol: DLG1 Accession Number(s): NP_001091894.1; NP_004078.2; NP_001191316.1; NP_001191317.1; NP_001353132.1; NP_001353133.1; NP_001353140.1; NP_001353145.1; NP_001353150.1; NP_001353151.1 Human GenelD(s): <u>1739</u>

Immunogen

Peptide with sequence C-NSKTRDKGEIPDD, from the internal region of the protein sequence according to NP_001091894.1; NP_004078.2; NP_001191316.1; NP_001191317.1; NP_001353132.1; NP_001353133.1; NP_001353140.1; NP_001353145.1; NP_001353150.1; NP_001353151.1.

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 1:16000.

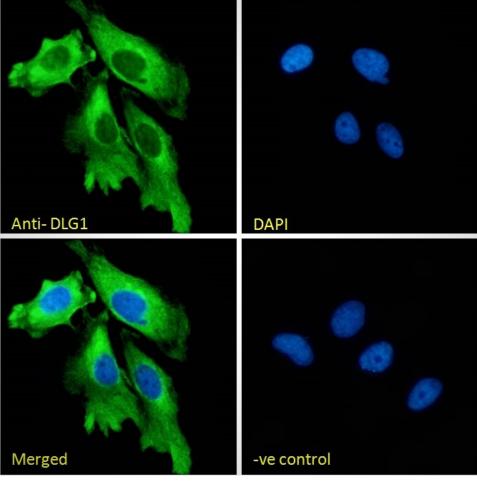
Western blot: Preliminary testing showed a band at approx 150kDa in lysate of cell line Kelly after 0.3µg/ml antibody staining (calculated MW of 103kDa according to NP_004078.2). This molecular weight is observed by other sources. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm and ER of HeLa and U2OS cells. Recommended concentration: 10µg/ml.

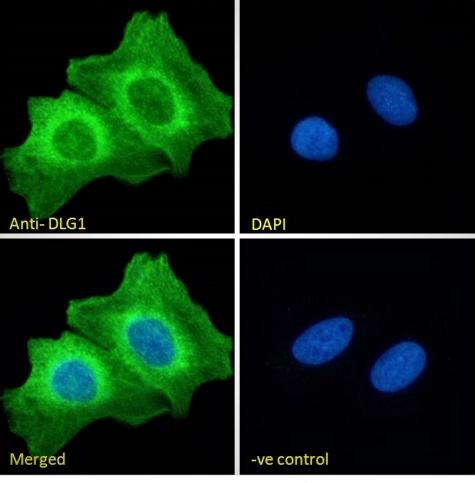
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

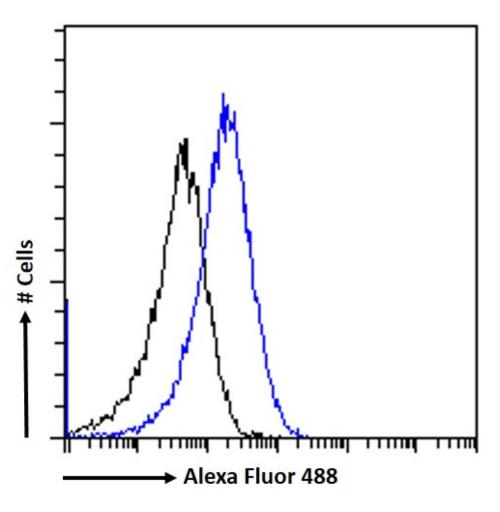
Tested: Human Expected from sequence similarity: Human, Mouse, Rat



EB08001 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing ER 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).



EB08001 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 ER 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).



EB08001 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.