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Research Use Only. Not for diagnostic or therapeutic use.

EB06492 - Goat Anti-EHD1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: EHD1, PAST, PAST1, H-PAST, HPAST1, EH-domain containing 1,

testilin, FLJ42622, FLJ44618, OTTHUMP00000069747

Official Symbol: EHD1

Accession Number(s): NP_001269373.1; NP_001269374.1

Human GeneID(s): 10938

Immunogen

Peptide with sequence FSWVSKDARRKKEPC, from the N Terminus of the protein sequence according to NP_001269373.1; NP_001269374.1.

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 1:32000.

Western blot: Approx 60kDa band observed in lysates of cell line NIH3T3 (calculated MW of 60.6kDa according to Mouse NP_0342491) Preliminary testing also showed a band at approx 60kDa in Human Lymph node and Rat Kidney lysate and in HeLa cell lysate. Recommended concentration: 0.03-0.1µg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Thymus and Brain (Cortex). Recommended concentration: 3.75µg/ml.

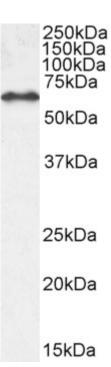
Immunofluorescence: Strong expression of the protein seen in the membranes and cytoplasm of HeLa and U2OS cells. Recommended concentration: 10µg/ml.

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

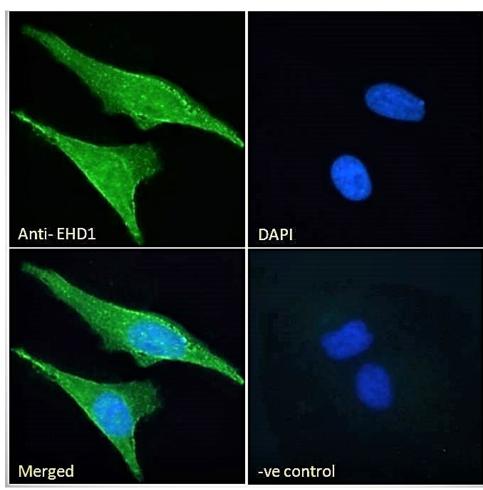
Species Reactivity

Tested: Human, Mouse

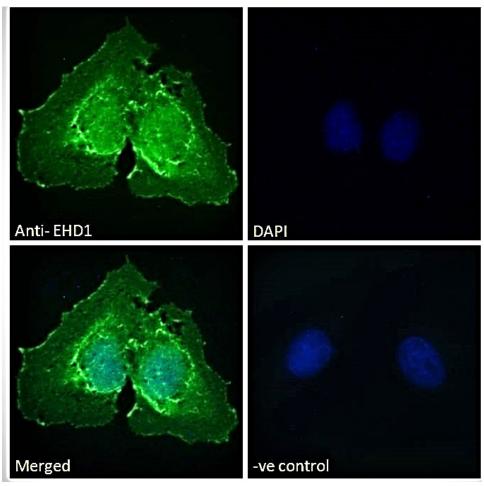
Expected from sequence similarity: Human, Mouse, Rat, Cow



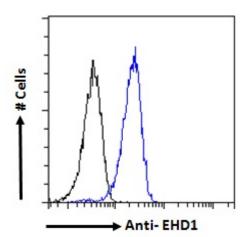
EB06492 (0.1μg/ml) staining of NIH3T3 cell lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB06492 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 membrane 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).

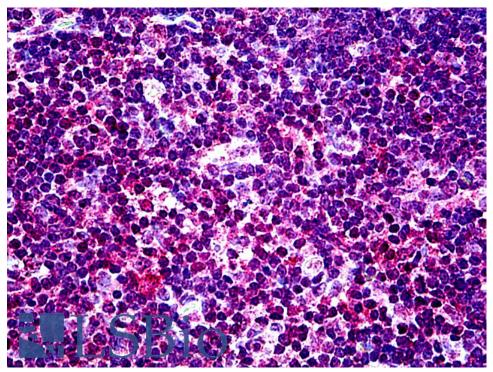


EB06492 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane, nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

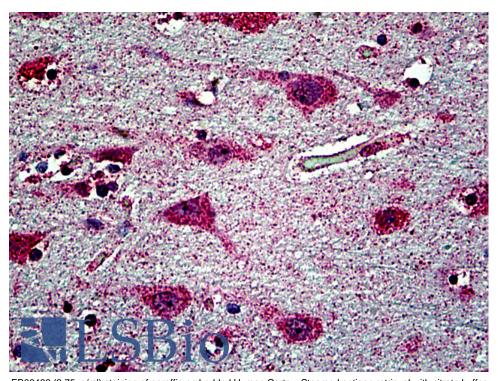


EB06492 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB06492 (3.75µg/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06492 (3.75 μ g/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.