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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06493 - Goat Anti-EHD2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: EHD2, PAST2, EH-domain containing 2, EH domain containing 2, FLJ96617

Official Symbol: EHD2

Accession Number(s): NP_055416.2

Human GeneID(s): [30846](#)

Important Comments: This antibody is expected to recognise EHD1 protein as well as EHD2.

Immunogen

Peptide with sequence CRLVPPSKRRHKGSA, from the C Terminus of the protein sequence according to NP_055416.2.

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.

Western blot: Approx 70-75kDa band observed in Human Lung, Colon and Placenta lysates (calculated MW of 61.2kDa according to NP_055416.2). The observed molecular weight is observed by other sources. Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the plasma membrane of A431 cells and the nuclei of HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

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

EB06493 (0.1g/ml) staining of Human Lung (A), Colon (B) and Placenta (C) lysate (35µg protein in RIPA buffer).
Detected by chemiluminescence.

EB06493 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton.
Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma
membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)
followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB06493 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 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).

EB06493 Flow cytometric analysis of paraformaldehyde fixed A431 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.

EB06493 (5µg/ml) staining of paraffin embedded Human Vessel. Steamed antigen retrieval with citrate buffer pH
6, AP-staining. **Data obtained from a previous batch, not on sale.**