



## UK Office

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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.

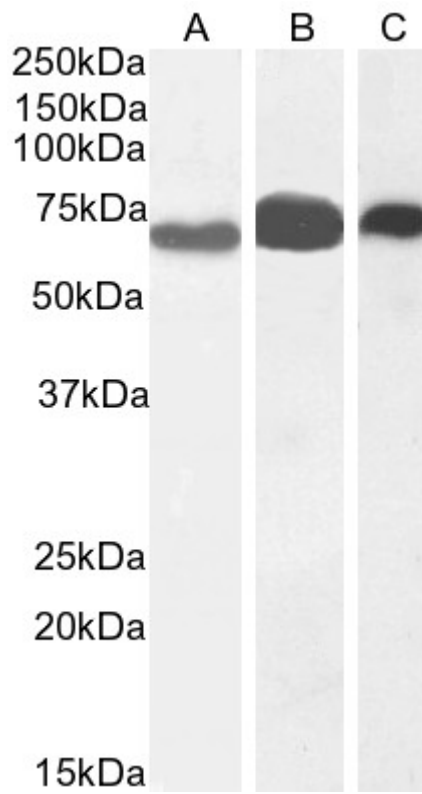
**Immunofluorescence:** Strong expression of the protein seen in the plasma membrane of A431 cells and the nuclei of HeLa cells. Recommended concentration: 10µg/ml.

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

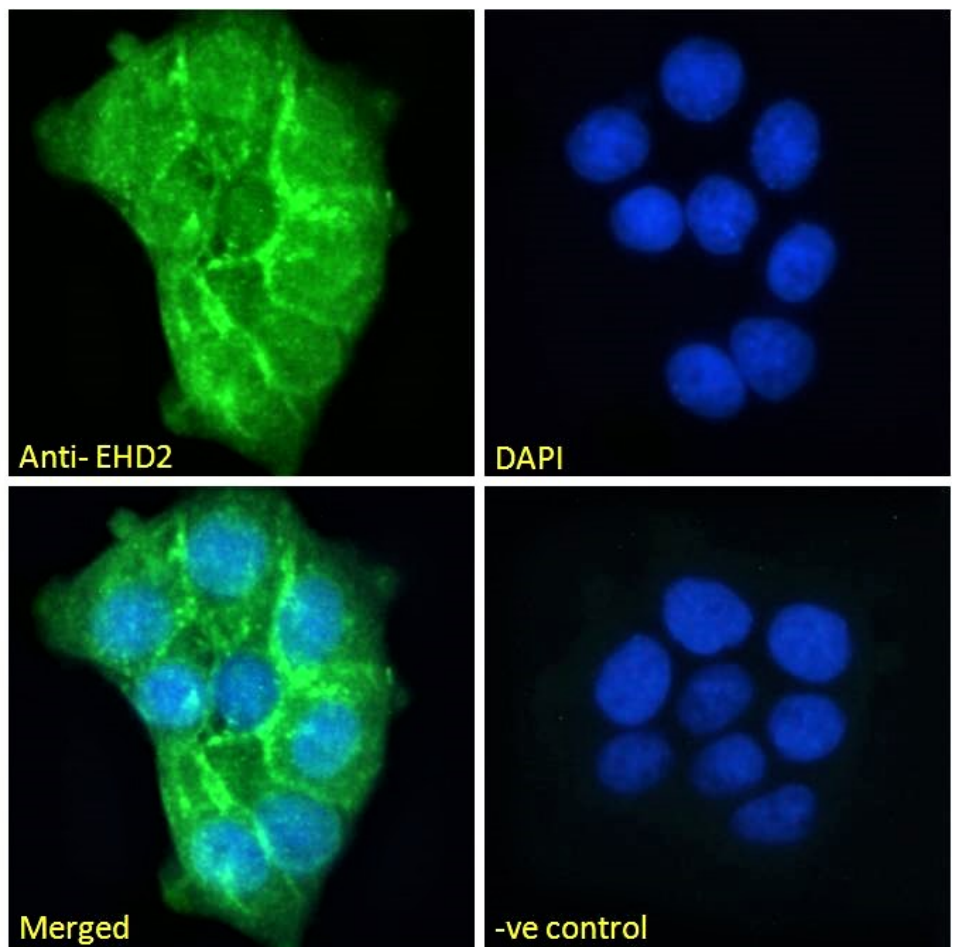
### Species Reactivity

**Tested:** Human

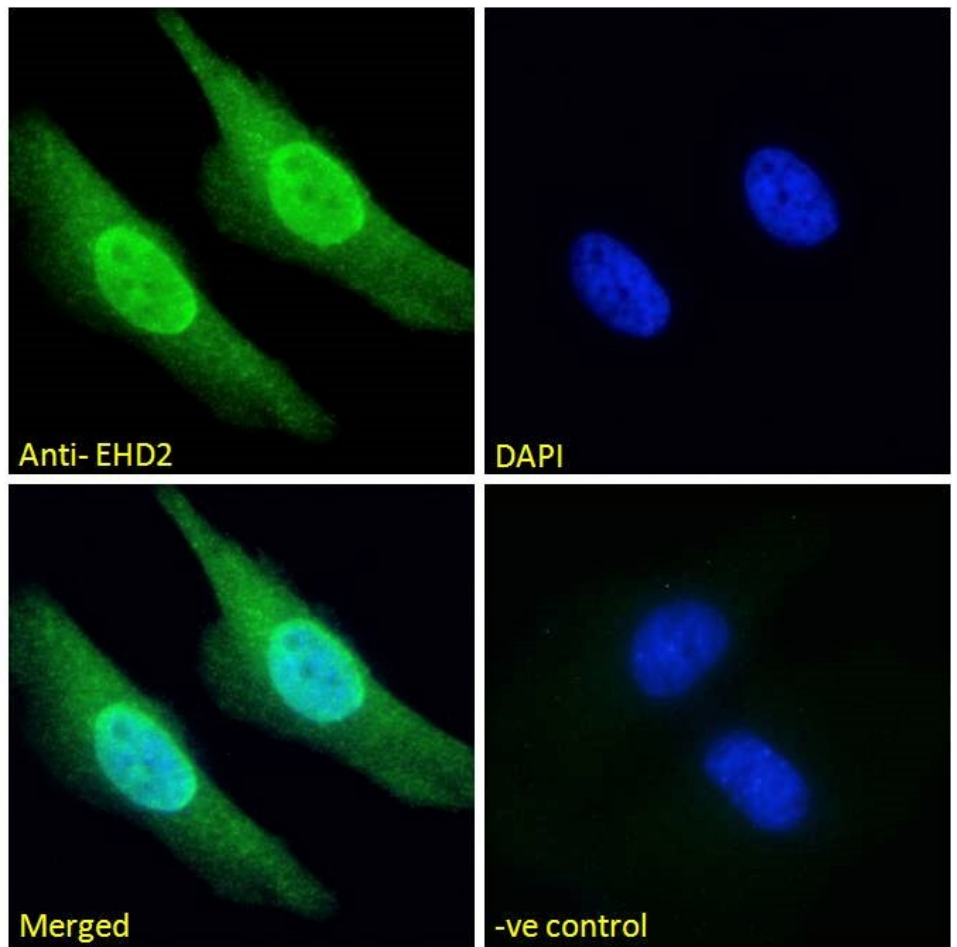
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



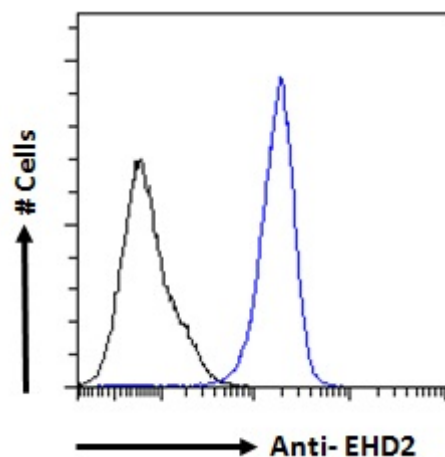
EB06493 (0.1g/ml) staining of Human Lung (A), Colon (B) and Placenta (C) lysate (35µg protein in RIPA buffer).  
Detected by chemiluminescence.



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.