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Research Use Only. Not for diagnostic or therapeutic use.

EB06184 - Goat Anti-PHLDA2 / IPL Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PHLDA2, pleckstrin homology-like domain, family A, member 2, TSSC3, IPL, BRW1C, BWR1C, HLDA2, PHLDA2, tumor suppressing subtransferable candidate 3, tumor-supressing STF cDNA 3, imprinted in placenta and liver, p17-Beckwith-Wiedemann region 1C, pleckstrin homology-like domain family A member 2, tumor suppressing subchromosomal transferable fragment cDNA 3, tumor suppressing subtransferable candidate 3, tumor-supressing STF cDNA 3

Official Symbol: PHLDA2

Accession Number(s): NP_003302.1

Human GenelD(s): 7262

Immunogen

Peptide with sequence C-EPSRPSPQPKPRTP, from the C Terminus of the protein sequence according to NP_003302.1.

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. 22kDa band observed in lysates of cell line MDA-MB-231 and in preliminary testing of MCF7 cell lysate (calculated MW of 17.1kDa according to NP_003302.1). This molecular weight has been observed by other sources.

Recommended concentration 2-3µg/ml Primary incubation 1 hour at room temperature. **IHC:** Paraffin embedded Human Placenta and Prostate. Recommended concentration: 3.75µg/ml.

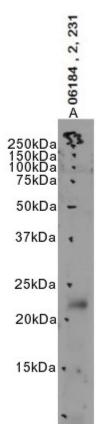
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

Species Reactivity

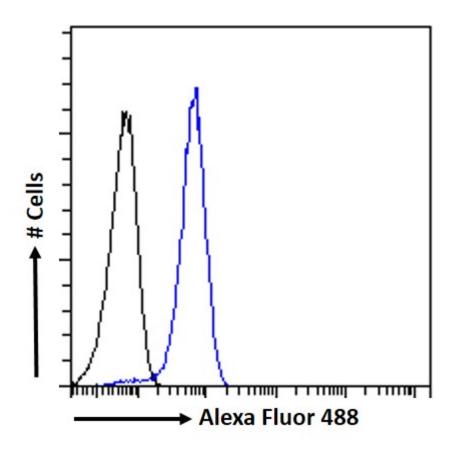
Tested: Human

Expected from sequence similarity: Human



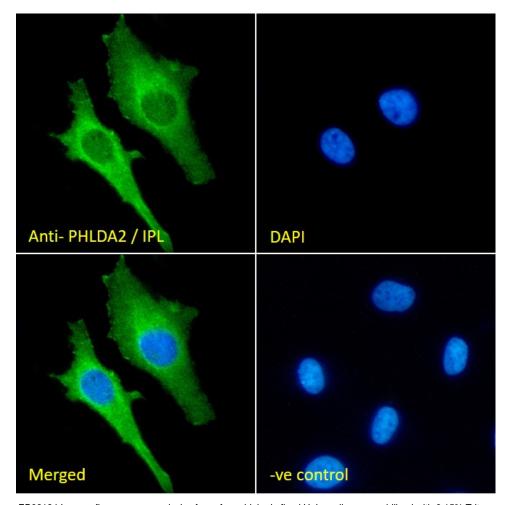
EB06184 optimised QC. Primary incubation 1 hour at room temperature.

Image A: MDA-MB-231 cell lysate at primary Ab concentration 2μg/ml. (Loaded 35μg protein in RIPA buffer, per lane). Detected by chemiluminescence.

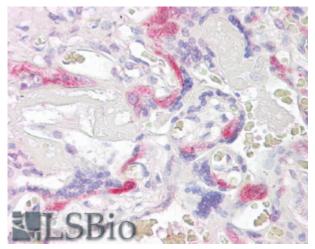


EB06184 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

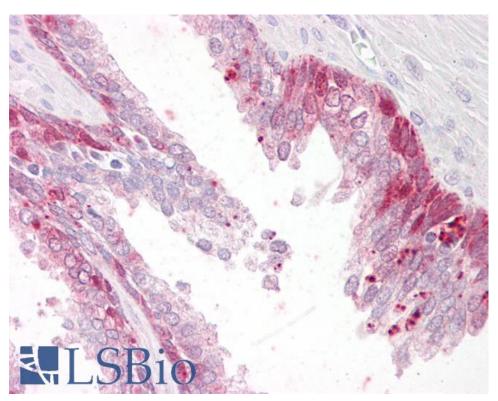
Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB06184 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 cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06184 (3.75μg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06184 (3.75 μ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.