



## UK Office

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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-suppressing 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-suppressing STF cDNA 3

**Official Symbol:** PHLDA2

**Accession Number(s):** NP\_003302.1

**Human GeneID(s):** [7262](#)

### Immunogen

Peptide with sequence C-EPSRPSPQPKRTP, 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.

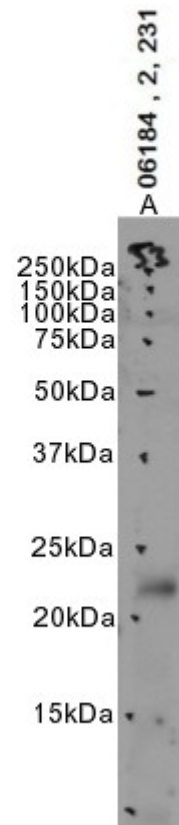
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

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

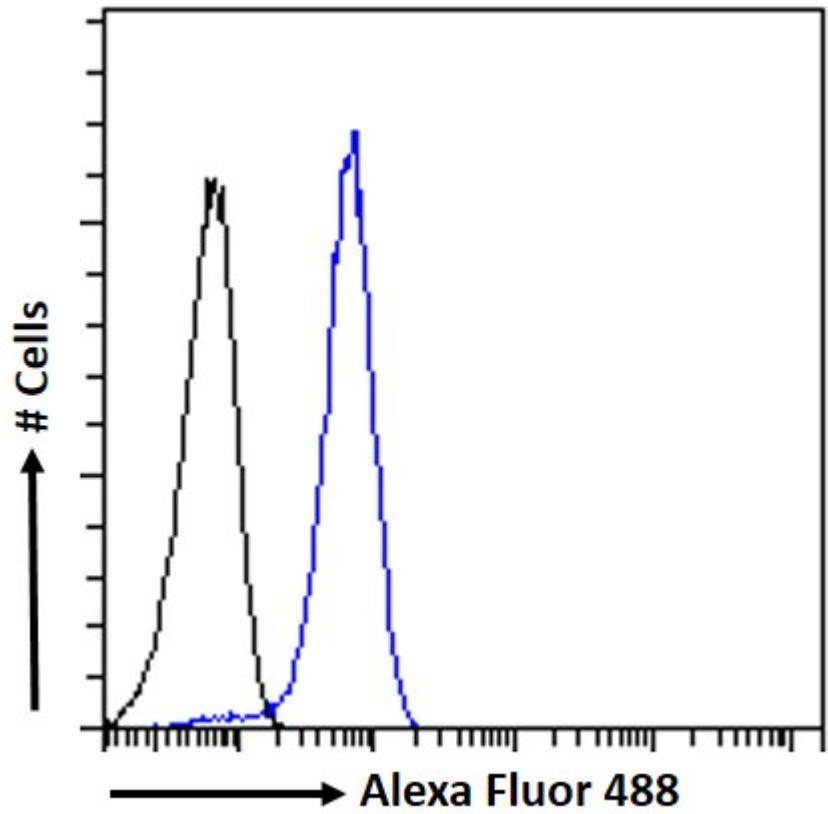
### Species Reactivity

**Tested:** Human

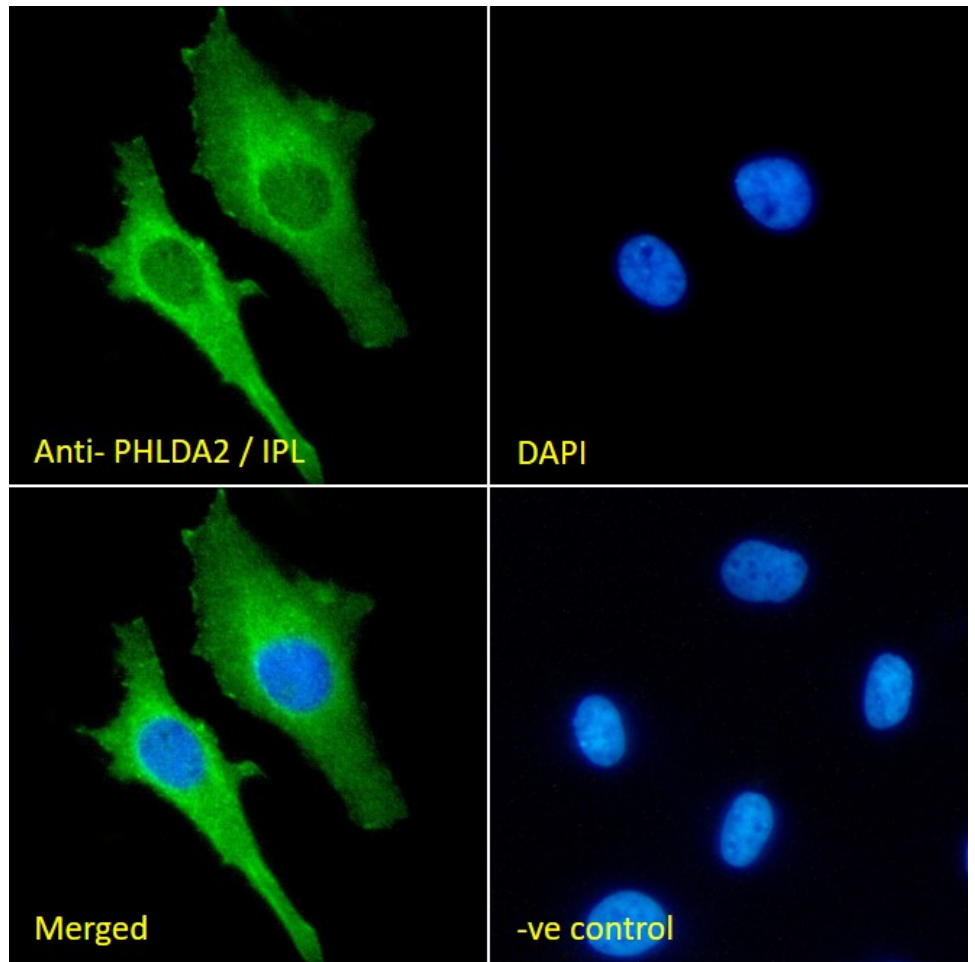
**Expected from sequence similarity:** Human



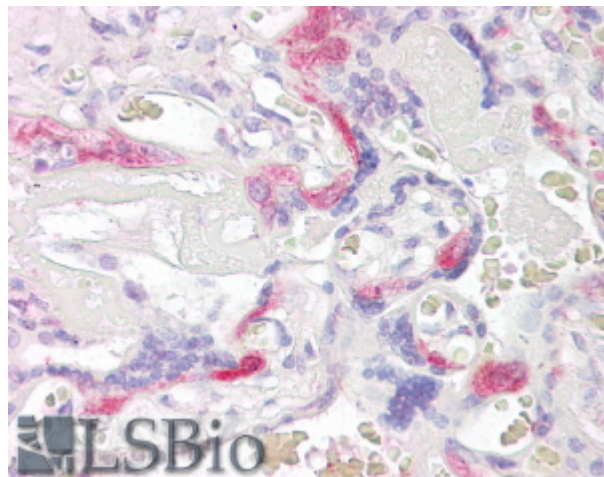
EB06184 optimised QC. Primary incubation 1 hour at room temperature.  
Image A: MDA-MB-231 cell lysate at primary Ab concentration 2µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



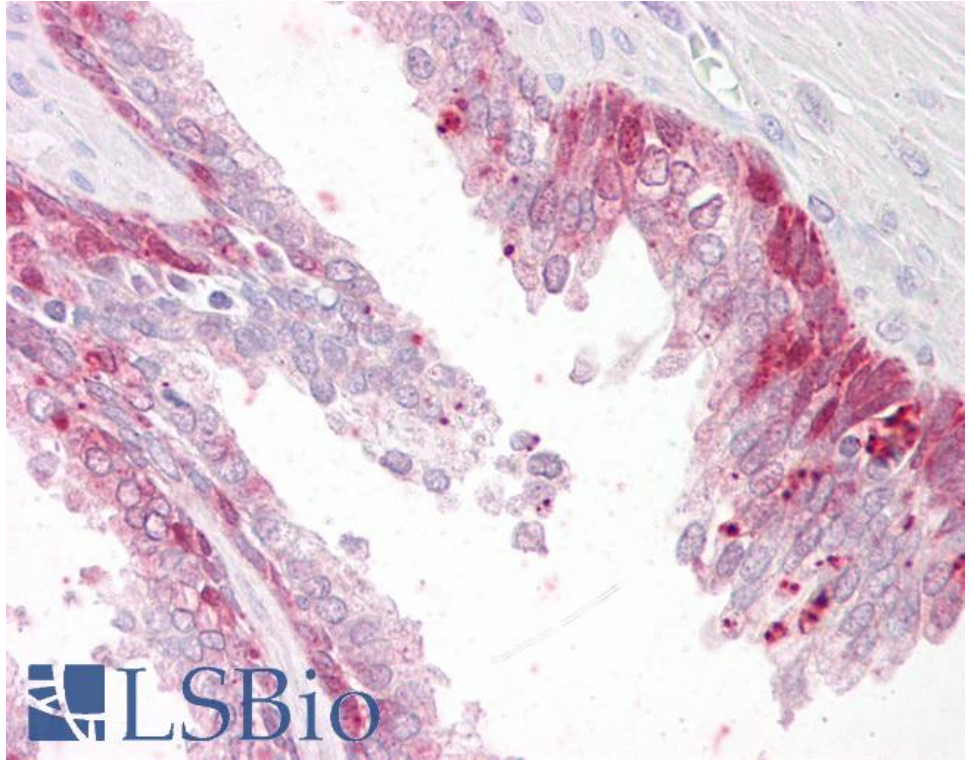
EB06184 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



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