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

EB09557 - Goat Anti-EPHB6 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: EPHB6, EPH receptor B6, HEP, MGC129910, MGC129911, ephrin receptor EphB6

Official Symbol: EPHB6

Accession Number(s): NP_004436.2; NP_001267723.2

Human GeneID(s): [2051](#)

Non-Human GeneID(s): 13848 (mouse), 312275 (rat)

Immunogen

Peptide with sequence C-EVIAHGKHTTSSD, from the internal region of the protein sequence according to NP_004436.2; NP_001267723.2.

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 1:32000.

Western blot: Preliminary testing showed a band at approx 80kDa in U251 cell lysate and approx.75kDa in Human Pancreas lysate after 1-2µg/ml antibody staining (calculated MW of 79.8kDa according to NP_001267723.2). Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Small Intestine and Brain (Cerebellum). Recommended concentration: 3.75µg/ml.

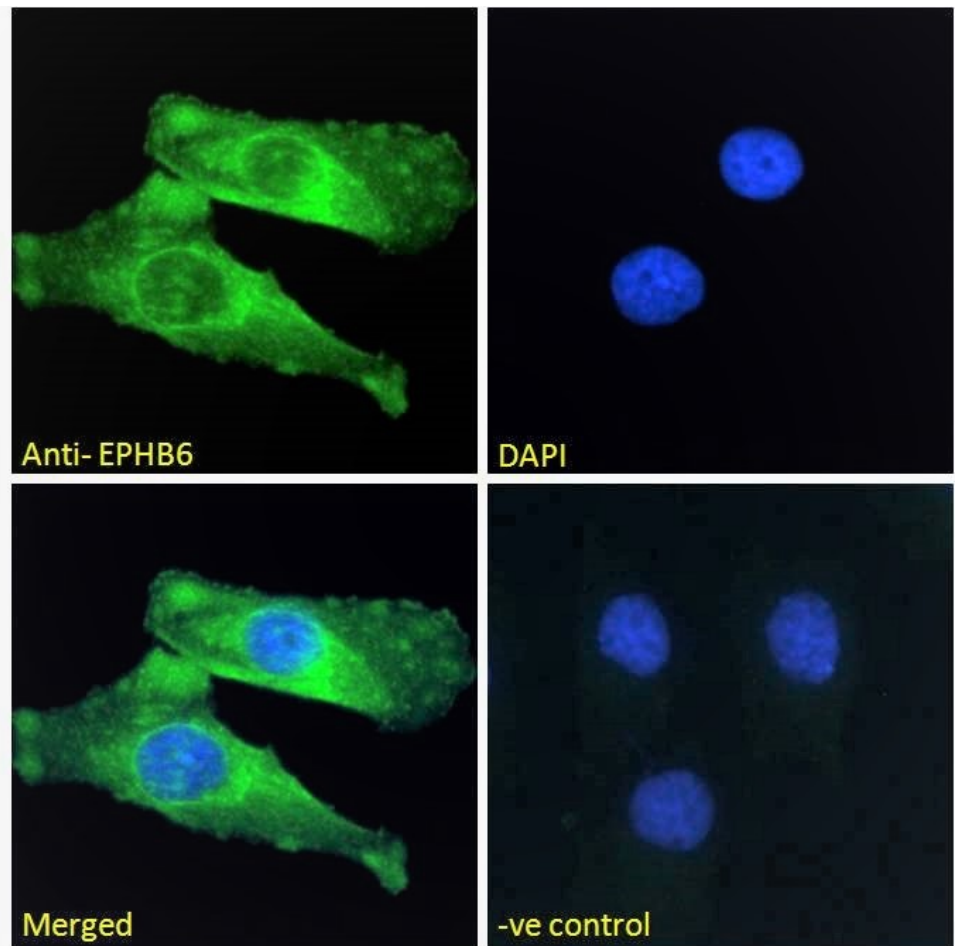
Immunofluorescence: Strong expression of the protein seen in the membranes and cytoplasm of HeLa and U2OS cells. Recommended concentration: 10µg/ml.

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

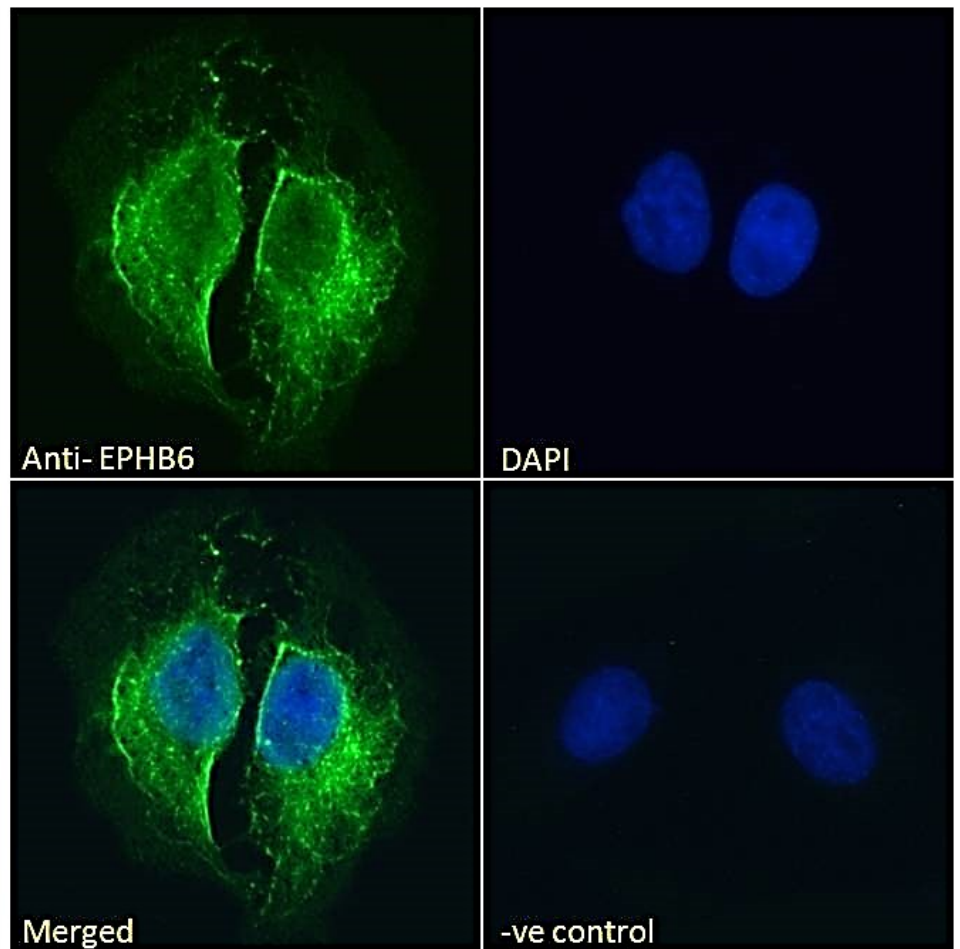
Species Reactivity

Tested: Human

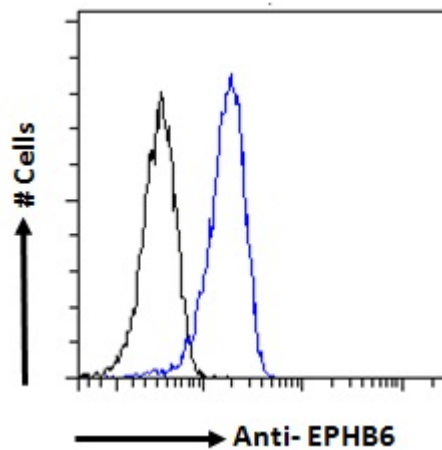
Expected from sequence similarity: Human, Mouse, Rat, Dog



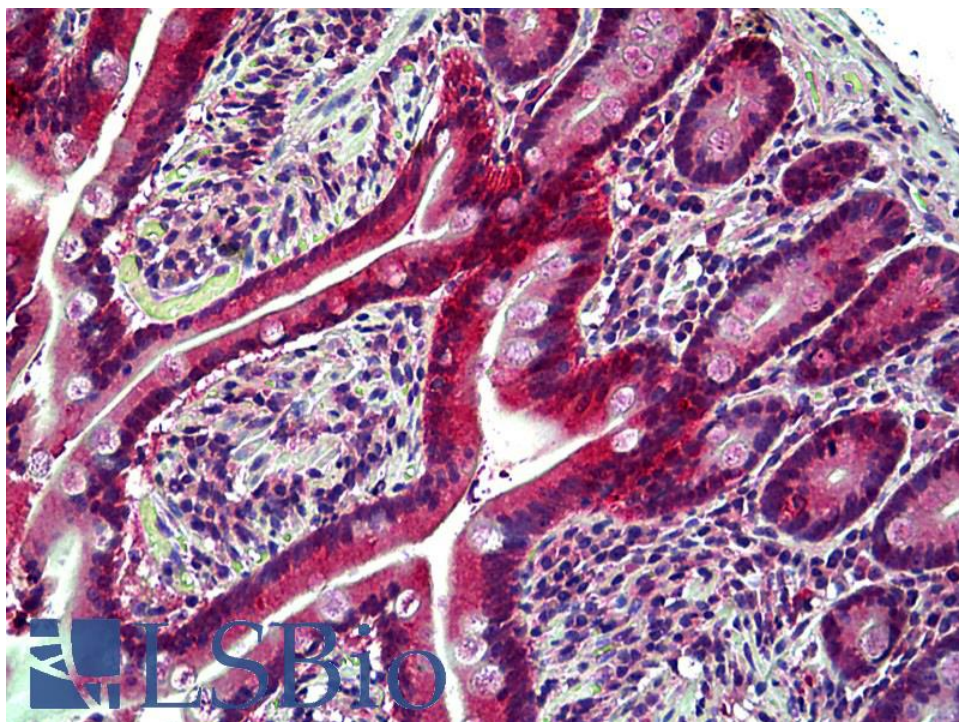
EB09557 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



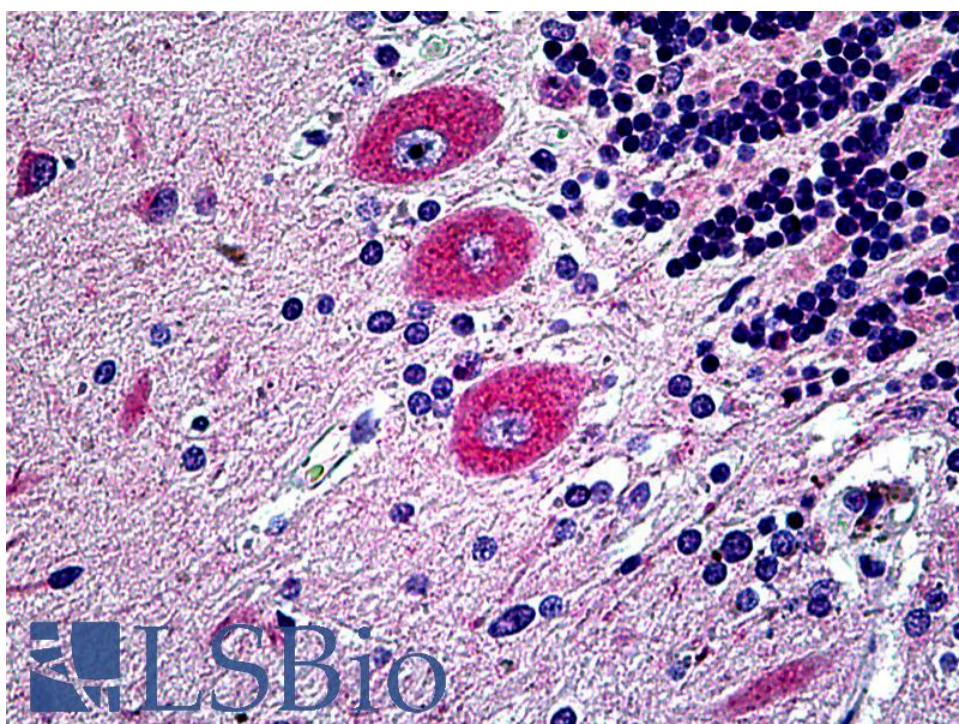
EB09557 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09557 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.



EB09557 (3.75µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09557 (3.75µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.