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

EB06154 - Goat Anti-ORP5 (OBPH1) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: OSBPL5, ORP5, OBPH1, FLJ31948, KIAA1534, DKFZp586H1719, oxysterol binding protein-like 5, OSBP-related protein 5, oxysterol-binding protein homologue 1, oxysterol-binding protein-related protein 5, FLJ42929, oxysterol-binding protein-like protein 5

Official Symbol: OSBPL5

Accession Number(s): NP_065947.1; NP_663613.1; NP_001137535.1

Human GeneID(s): [114879](#)

Non-Human GeneID(s): 79196 (mouse)

Important Comments: This antibody is expected to recognise both reported isoforms. Variants (NP_663613.1; NP_001137535.1) encode the same isoform.

Immunogen

Peptide with sequence KEEAFLRRRFSLC, from the N Terminus of the protein sequence according to NP_065947.1; NP_663613.1; NP_001137535.1.

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. 100kDa band observed in lysates of cell line Jurkat and in Rat Spleen lysates (calculated MW of 98.4kDa according to Human NP_065947.1 and 101.7kDa according to Rat NP_001015024.2). Recommended concentration: 0.03=0.3µg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Kidney and Liver. Recommended concentration: 5µg/ml.

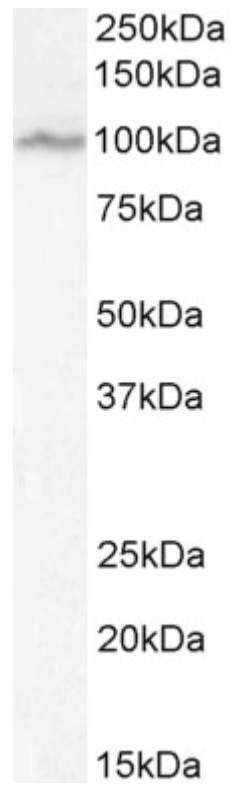
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa and U2OS cells. Recommended concentration: 10µg/ml.

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

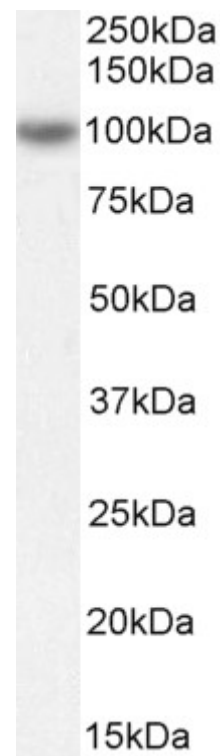
Species Reactivity

Tested: Human, Rat

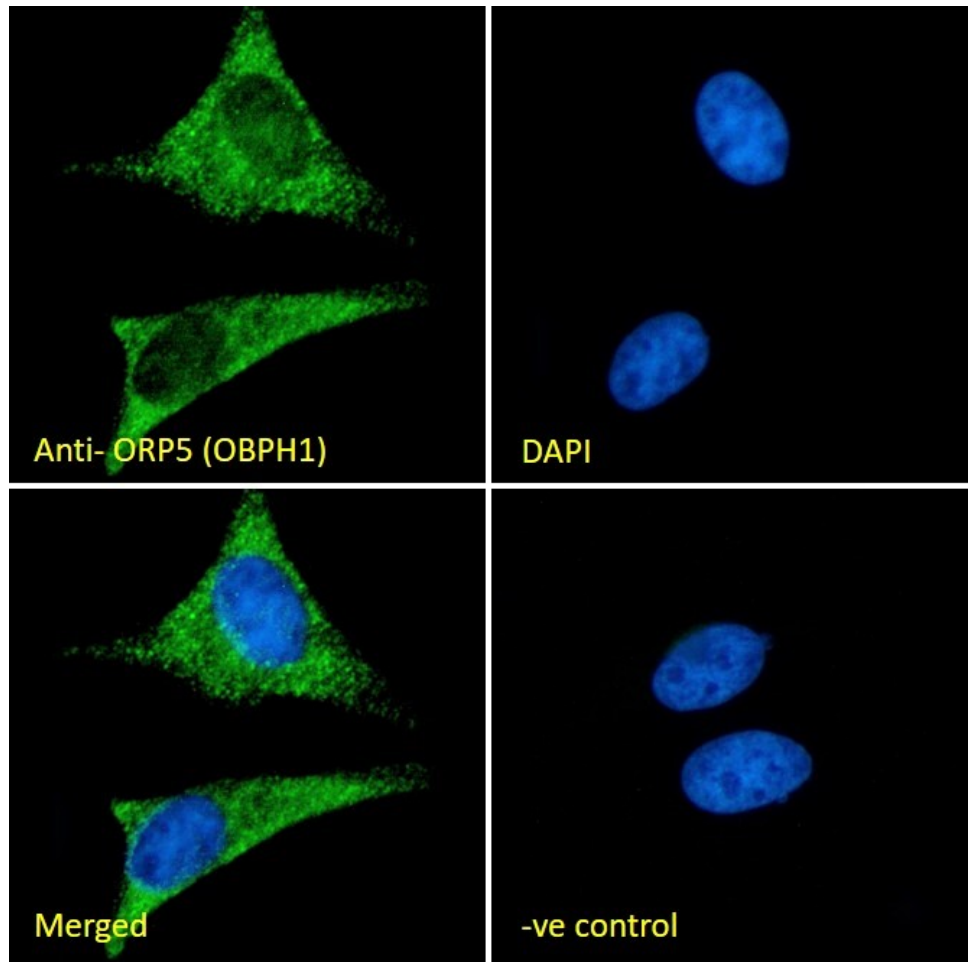
Expected from sequence similarity: Human, Mouse, Rat, Dog



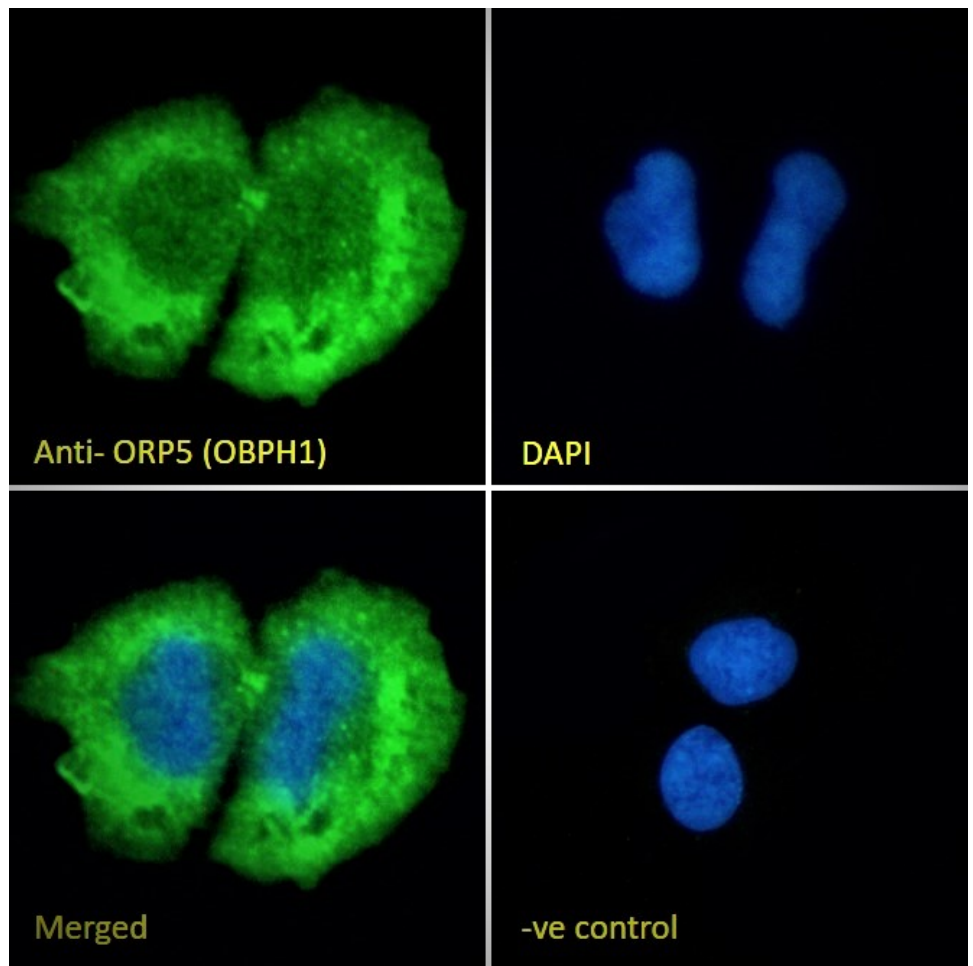
EB06154 (0.1µg/ml) staining of Jurkat cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



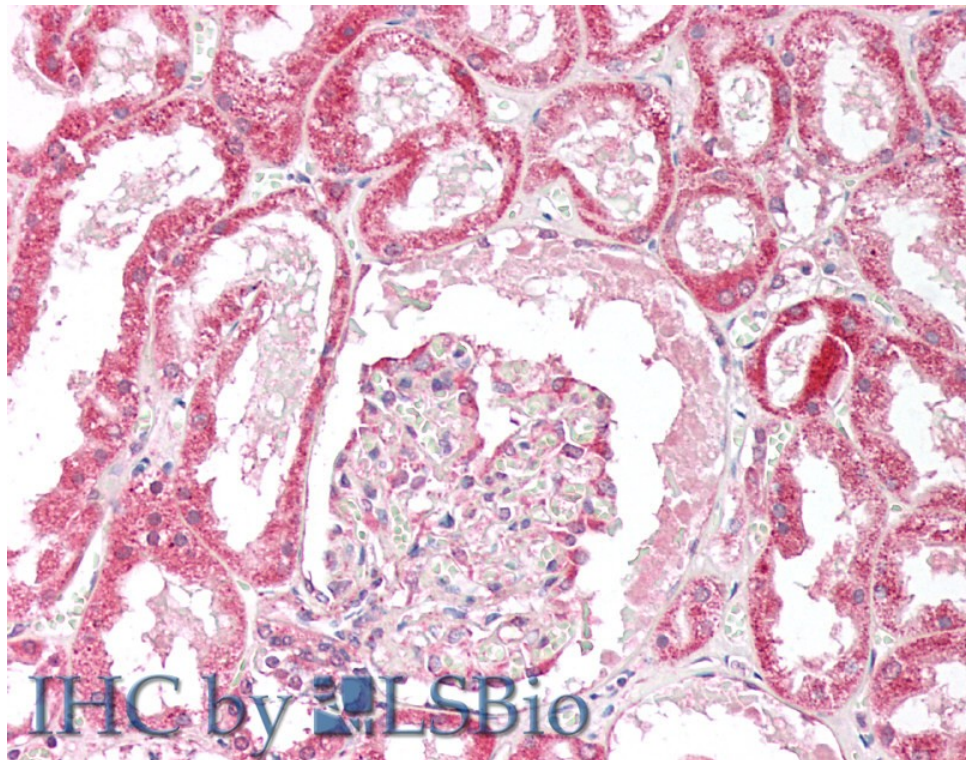
EB06154 (0.3µg/ml) staining of Rat Spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



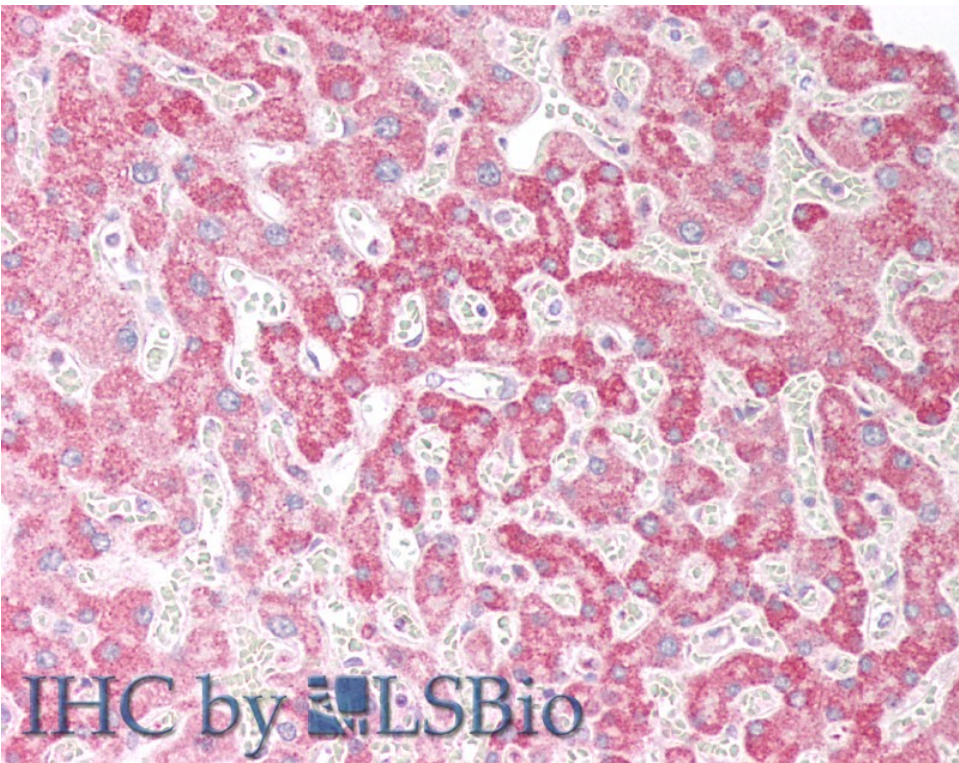
EB06154 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



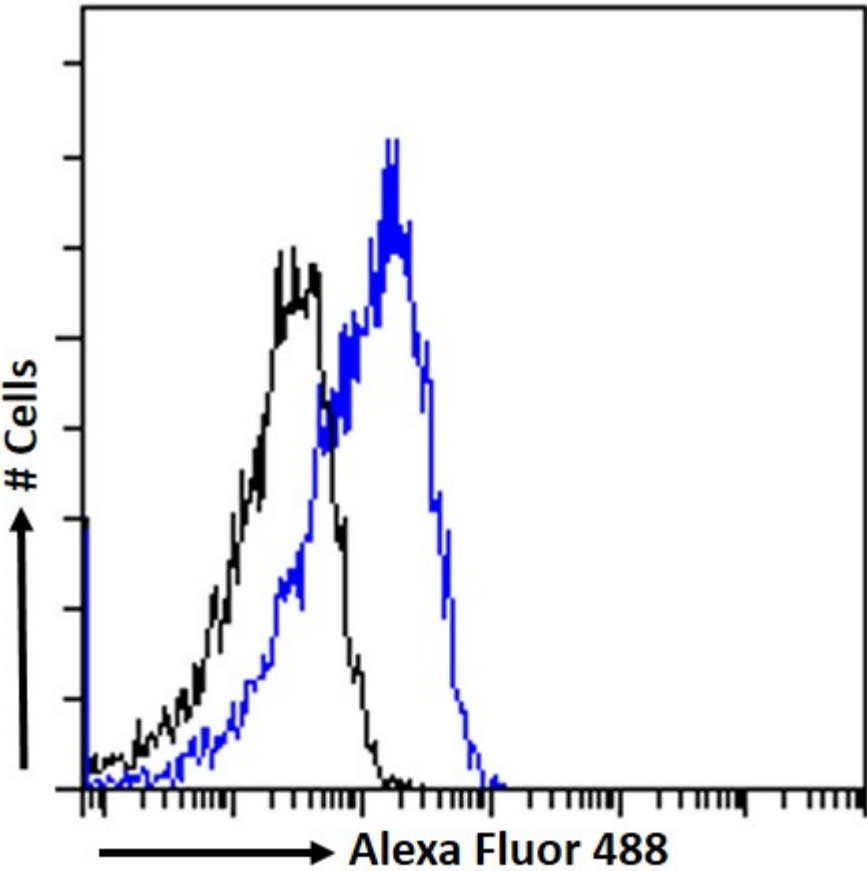
EB06154 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06154 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06154 (5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06154 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.