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Research Use Only. Not for diagnostic or therapeutic use.

EB06223 - Goat Anti-PALS / MPP5 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MPP5, PALS1, FLJ12615, membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5), stardust (Drosophila), MAGUK p55 subfamily

member 5, membrane protein, palmitoylated 5, stardust

Official Symbol: PALS1

Accession Number(s): NP_071919.2; NP_001243479.1

Human GeneID(s): 64398

Immunogen

Peptide with sequence NKASPPFPLISNAQ-C, from the N Terminus of the protein sequence according to NP_071919.2; NP_001243479.1.

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: Preliminary testing showed a band at approx 75kDa in Human Cerebellum lysate after $1\mu g/ml$ antibody staining (calculated MW of 73.4kDa according to

NP_001243479.1). Primary incubation 1 hour at room temperature. **IHC:** Paraffin embedded Human Small Intestine and Kidney. Recommended

concentration: 5µg/ml.

Immunofluorescence: Strong expression of the protein seen in U2OS and HeLa cells.

Recommended concentration: 10µg/ml.

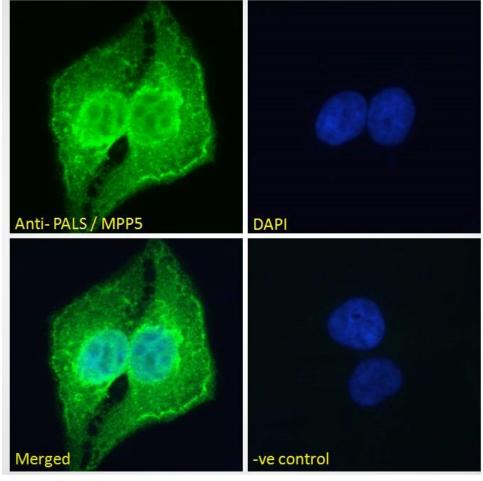
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration:

10ug/ml.

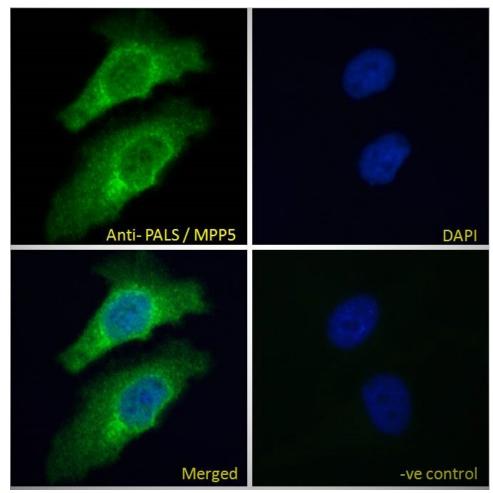
Species Reactivity

Tested: Human

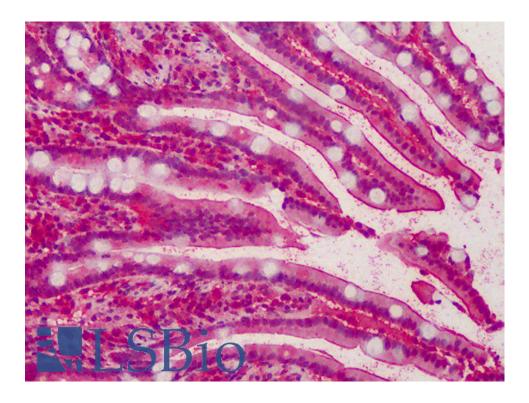
Expected from sequence similarity: Human, Cow, Dog, Pig

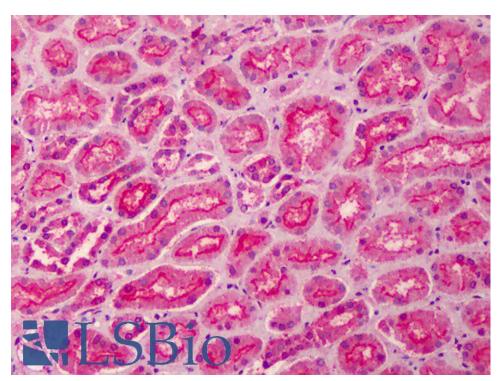


EB06223 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear, plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

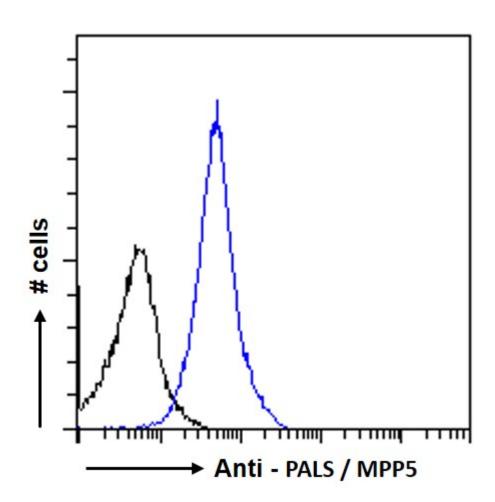


EB06223 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).





B06223 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06223 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.