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Research Use Only. Not for diagnostic or therapeutic use.

EB06420-T - Goat Anti-RANBP1 Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: RANBP1, RAN binding protein 1

Official Symbol: RANBP1

Accession Number(s): NP_002873.1; NP_001265568.1; NP_001265569.1;

NP_001265570.1

Human GeneID(s): 5902

Important Comments: This antibody is expected to recognise reported isoforms 1, 2, 3

and 4.

Immunogen

Peptide with sequence C-LSVKEETKEDAEEKQ, from the C Terminus of the protein sequence according to NP_002873.1; NP_001265568.1; NP_001265569.1; NP_001265570.1.

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 1:16000.

Western blot: Approx. 26-27kDa band observed in lysates of cell lines A431 HeLa and MCF7 and in Human Duodenum lysates, (calculated MW of 23.3kDa according to NP_002873.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.03-0.5μg/ml. Primary incubation 1 hour at room temperature.

IHC: In paraffin embedded Human Kidney shows pixulated cytoplasm staining in DCT. Recommended concentration: 3-5µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HEK293 and HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

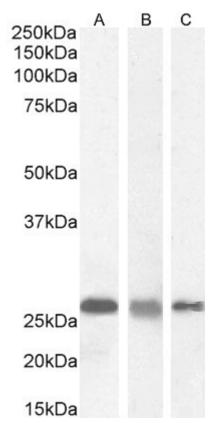
Species Reactivity

Tested: Human

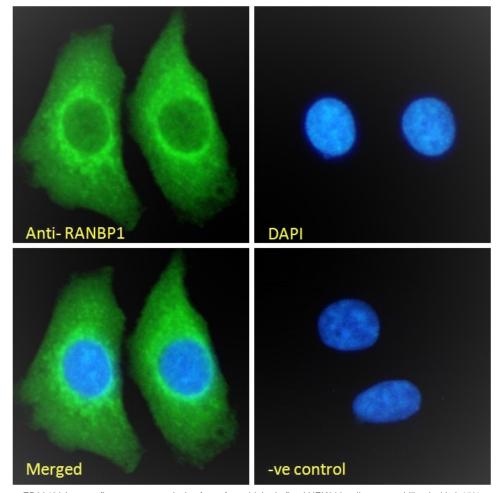
Expected from sequence similarity: Human



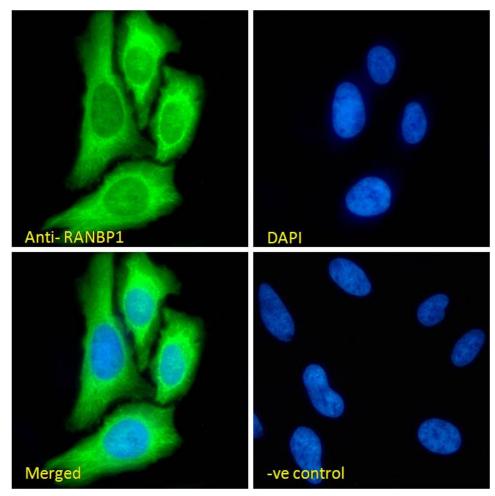
EB06420 (0.3 μ g/ml) staining of Human Duodenum lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



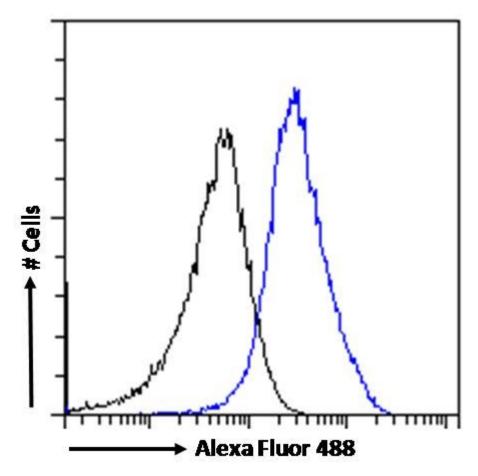
EB06420 (0.03µg/ml) staining of A431 (A), (0.5ug/ml) HeLa (B) and (0.1ug/ml) MCF7 (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB06420 Immunofluorescence analysis of paraformaldehyde fixed HEK293 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).

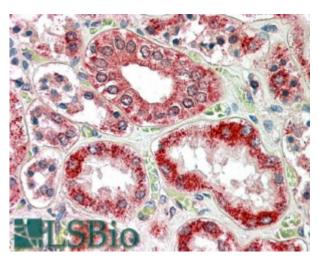


EB06420 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06420 Flow cytometric analysis of paraformaldehyde fixed HEK293 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.



EB6420 (3.8μg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.