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Research Use Only. Not for diagnostic or therapeutic use.

EB08789 - Goat Anti-TRPC1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TRPC1, transient receptor potential cation channel, subfamily C, member 1, HTRP-1, MGC133334, MGC133335, TRP1, transient receptor potential

channel 1

Official Symbol: TRPC1

Accession Number(s): NP_003295.1; NP_001238774.1

Human GeneID(s): 7220

Immunogen

Peptide with sequence C-NLKQKRDENYQK, from the internal region of the protein sequence according to NP_003295.1; NP_001238774.1.

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.

IHC: Paraffin embedded Human Prostate and Brain (Cortex). Recommended

concentration: 3.75µg/ml.

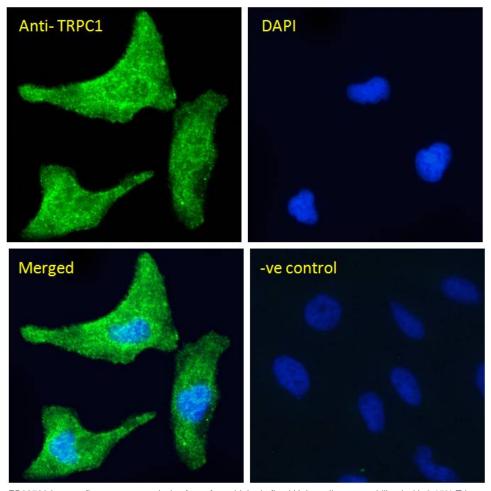
Immunofluorescence: Strong expression of the protein seen in the cytoplasm/vesicles of HeLa cells. Strong expression of the protein seen in the cytoplasm and nuclei of U2OS cells. Recommended concentration: 10µg/ml.

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

Species Reactivity

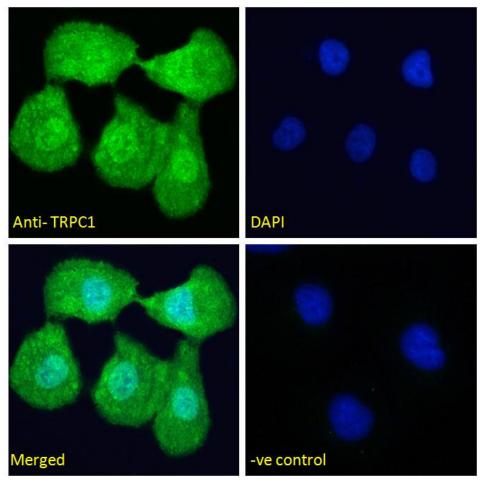
Tested: Human

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

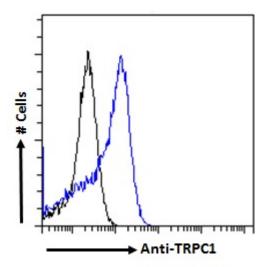


EB08789 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic/Vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).

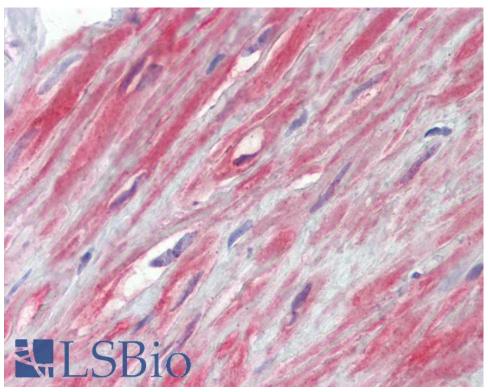


EB08789 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).

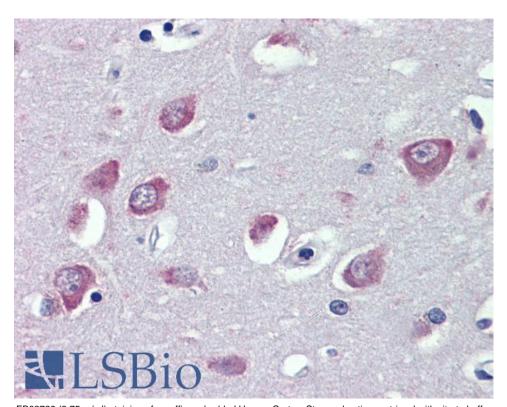


EB08789 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB08789 (3.75μg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08789 (3.75 μ g/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.