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Research Use Only. Not for diagnostic or therapeutic use.

EB07645 - Goat Anti-ITCH / AIF4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ITCH, AIF4, itchy homolog E3 ubiquitin protein ligase (mouse), AIP4, NAPP1, dJ468O1.1, NFE2-associated polypeptide 1, atrophin-1 interacting protein 4, dJ468O1.1 (atrophin 1 interacting protein 4, AIP4), itchy homolog E3 ubiquitin protein

ligase, ubiquitin protein ligase ITCH

Official Symbol: ITCH

Accession Number(s): NP_113671.3; NP_001244066.1; NP_001244067.1

Human GeneID(s): 83737

Non-Human GenelD(s): 16396 (mouse), 311567 (rat)

Immunogen

Peptide with sequence C-EIKSHDLKPNGGN, from the internal region of the protein sequence according to NP_113671.3; NP_001244066.1; NP_001244067.1.

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 90kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 86.4kDa according to NP_001244067.1) . Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the nuclei of A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

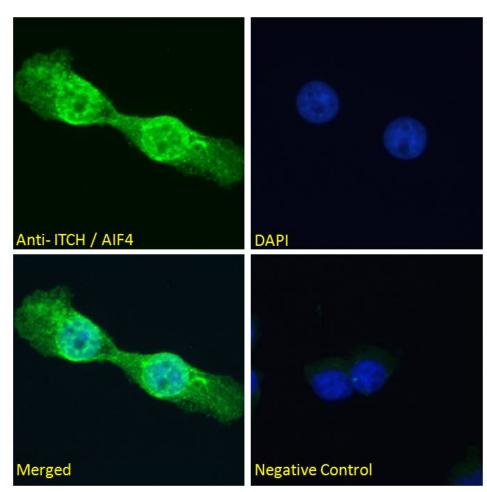
Species Reactivity

Tested: Human

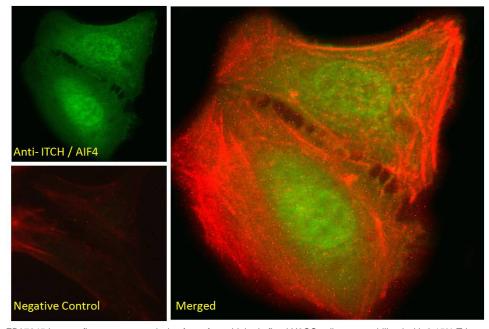
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



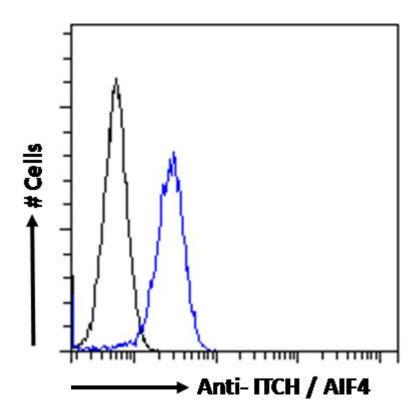
EB07645 (0.1μg/ml) staining of Human Brain (Frontal Cortex) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB07645 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07645 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 staining. Actin filaments were stained with phalloidin (red). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07645 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.