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Research Use Only. Not for diagnostic or therapeutic use.

EB09121 - Goat Anti-OTUD4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: OTUD4, OTU domain containing 4, DKFZp434I0721, DUBA6, HIN1, HSHIN1, KIAA1046, HIV-1 induced protein HIN-1, OTU domain containing 4 protein

Official Symbol: OTUD4

Accession Number(s): NP_955356.1; NP_001096123.1; NP_001352986.1

Human GeneID(s): 54726

Non-Human GenelD(s): 73945 (mouse), 307774 (rat)

Important Comments: This antibody is expected to recognize reported isoforms 1

(NP_955356.1), 3 (NP_001096123.1), and 4 (NP_001352986.1).

Immunogen

Peptide with sequence C-SRSRDEGYQYHRNVR, from the C Terminus (near) of the protein sequence according to NP_955356.1; NP_001096123.1; NP_001352986.1.

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 1:8000.

Western blot: Preliminary testing showed a band at approx. 110kDa in Human Skeletal Muscle lysate after 2ug/ml antibody staining. (calculated MW of 117kDa according to NP_955356.1). This band was successfully blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature.

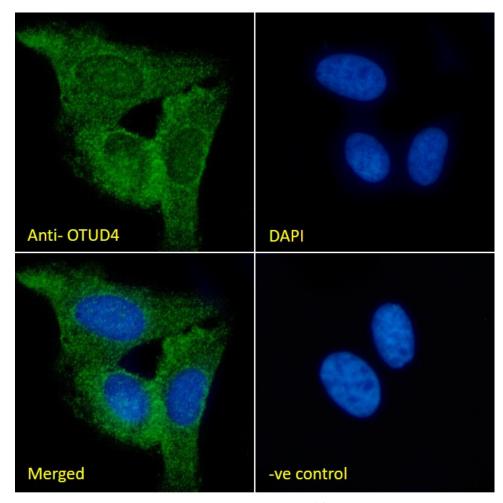
Immunofluorescence: Strong expression of the protein seen in A413 and U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

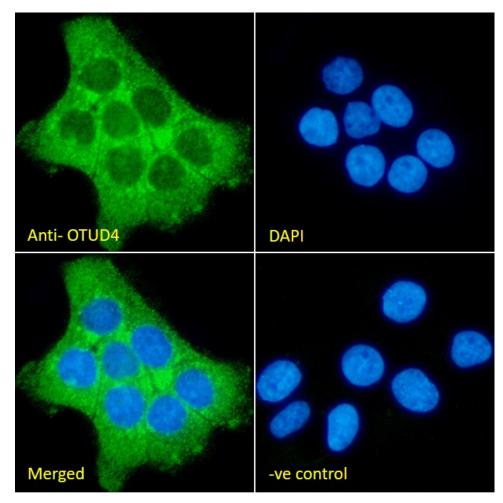
Species Reactivity

Tested: Human

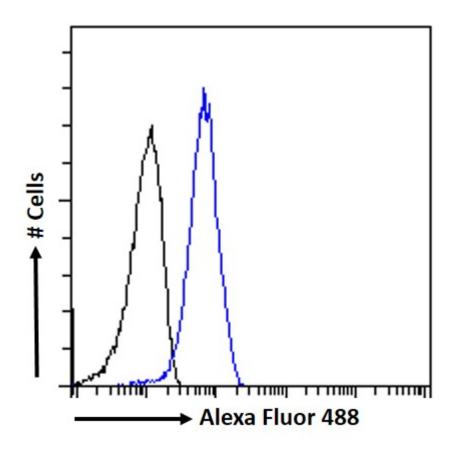
Expected from sequence similarity: Human



EB09121 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 strong cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09121 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 cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09121 Flow cytometric analysis of paraformaldehyde fixed A431 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.