



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

**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 GeneID(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.

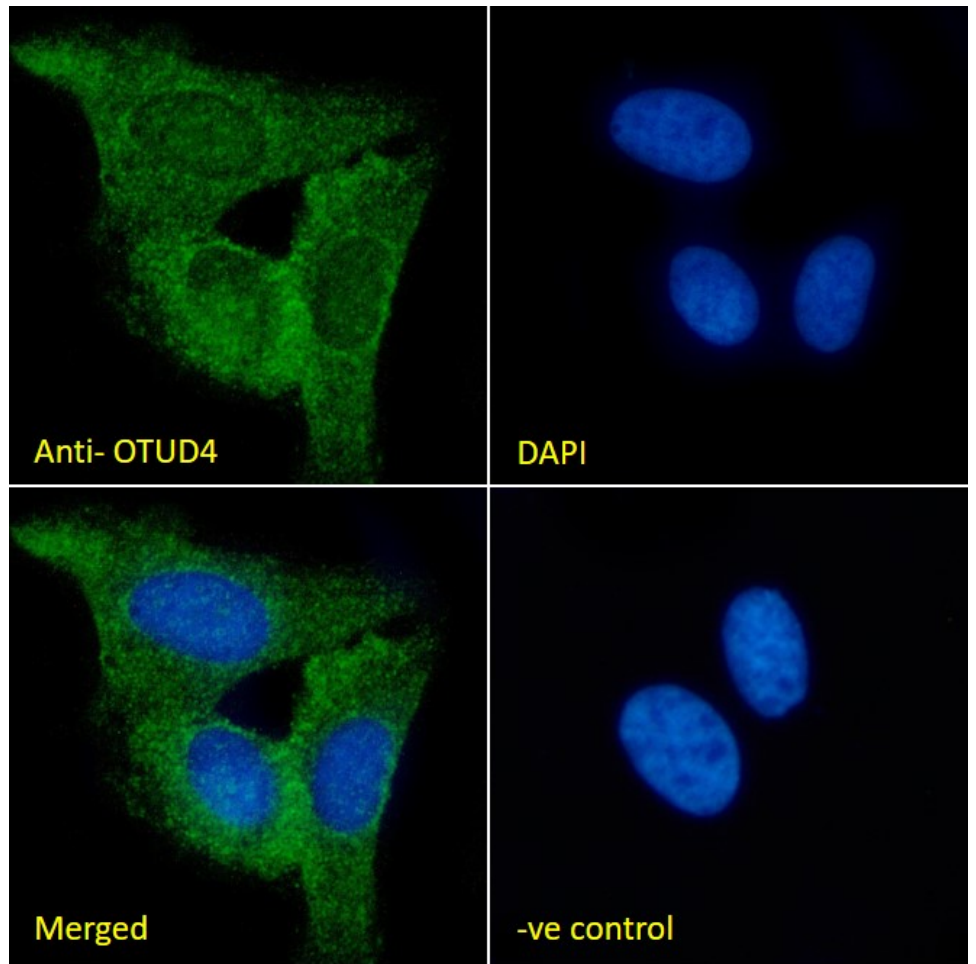
**Immunofluorescence:** Strong expression of the protein seen in A413 and U2OS cells. Recommended concentration: 10µg/ml.

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

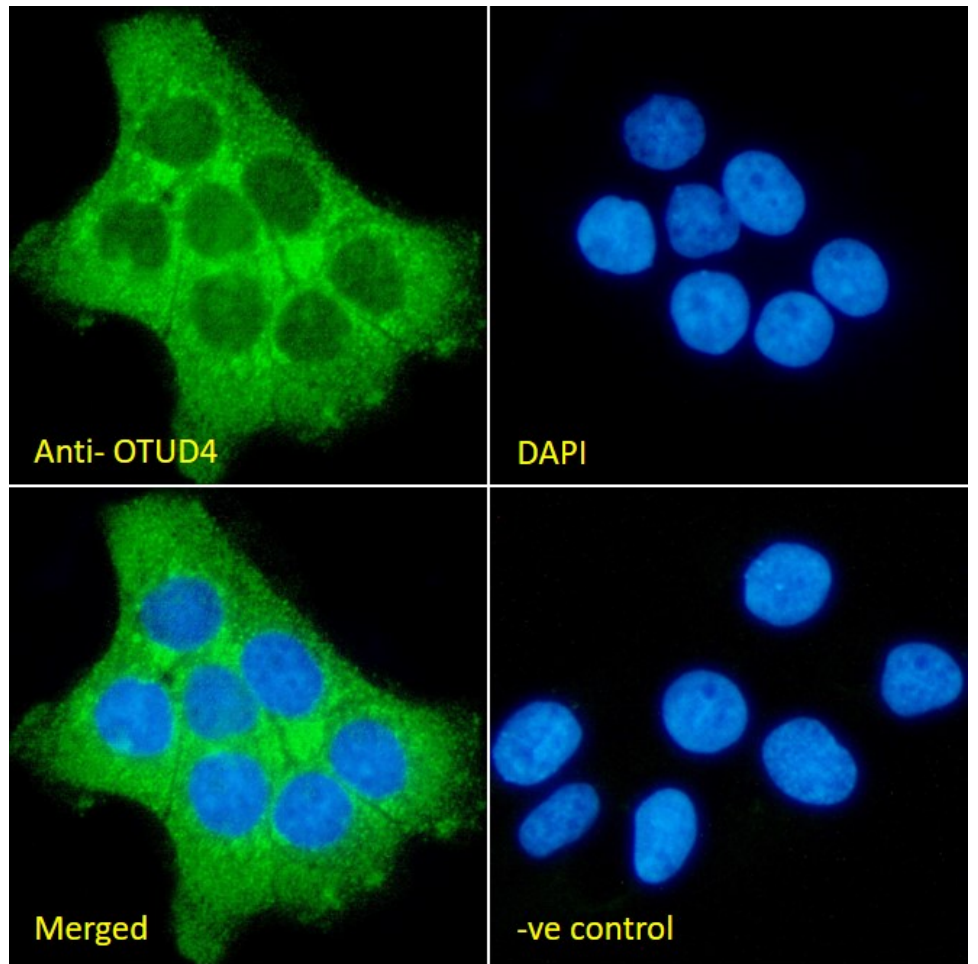
### Species Reactivity

**Tested:** Human

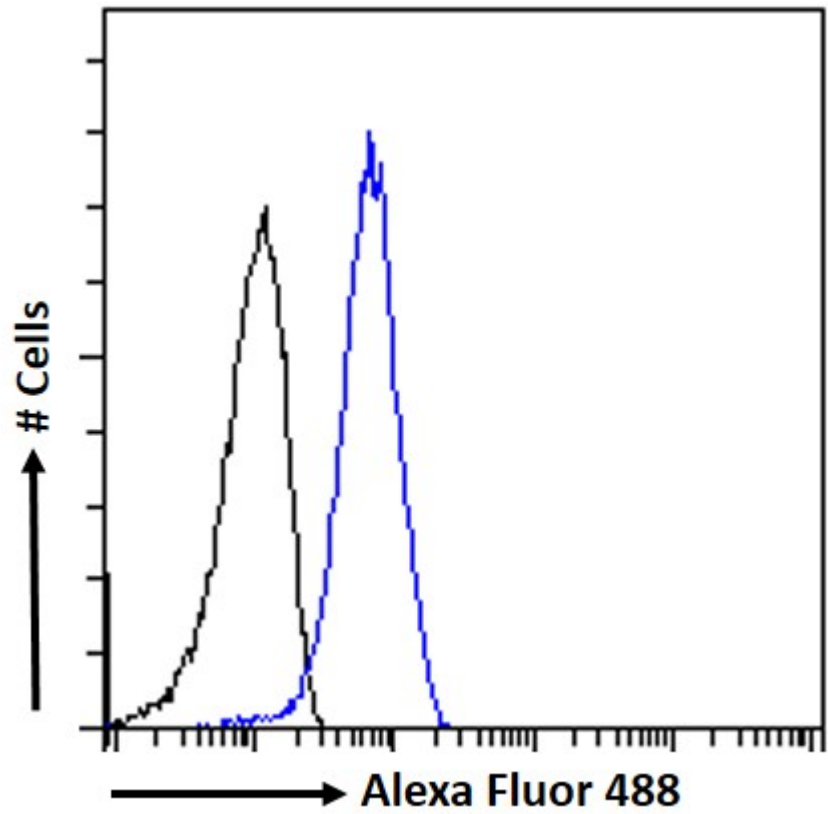
**Expected from sequence similarity:** Human



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.