

International Office

Everest Biotech Ltd

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

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB05631 - Goat Anti-GTRAP3-18 / JWA Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ARL6IP5, GTRAP3-18, JWA, ADP-ribosylation-like factor 6 interacting protein 5, DERP11, HSPC127, PRAF3, addicsin, hp22, jmx, PRA1 domain family 3, cytoskeleton related vitamin A responsive protein, dermal papilla derived protein 11, glutamate transporter EEAC1-associated protein, putative MAPK activating protein PM27

Official Symbol: ARL6IP5

Accession Number(s): NP_006398.1

Human GenelD(s): 10550

Important Comments: C2 passed G1 as 20kDa in HBR; C2P2 fail in _enh; try HBAM, HBCR, HBFC BP08/10/2021; 22+48kDa in HBAM-B104, faint 48kDa in HBAM-B201, multiple bannd in > 37kDa in both HBCR, multiple bands inclu 22kDa in both HBFC, opt in HBAM-B201 at 2ug/ml, rpt HBAM-B104 at 1ug/ml; try HBCC BP25/10/2021, 21kDA+multiple bands in HBAM-B201, 21+28+48kDA in HBAM, 55kDa in HBCC-E101, 50kDa in HBCC-E201, try both HBAMat 1ug/ml + peptide next try A431 and U251BP27/10/2021; 22+28+48kDA in both HBAM-B201 and blocked completely, 48+37+30kDa in A43-C10403, 70kDa in A43-C10404 (shrt exp), 60-70kDa in both U251 (shrt exp); HBAM as optimistic but in blocking; over to Jane BP01/11/2021

Immunogen

Peptide with sequence C-NRLTDYISKVKE, from the C Terminus of the protein sequence according to NP_006398.1.

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.

Western blot: Approx 22kDa band observed in Human Cerebellumn lysates and in lysates of cell line K562 (calculated MW of 21.6kDa according to NP_006398.1). An additional band of 75-100kDa was also observed in some lysates.and was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 0.3-1μg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Tonsil and Small Intestine. Recommended concentration: 3.75µg/ml.

Immunofluorescence: Strong expression of the protein seen in the ER/ plasma membranes and cytoplasm of A431 cells. Recommended concentration: 10µg/ml.

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

Species Reactivity

Tested: Human

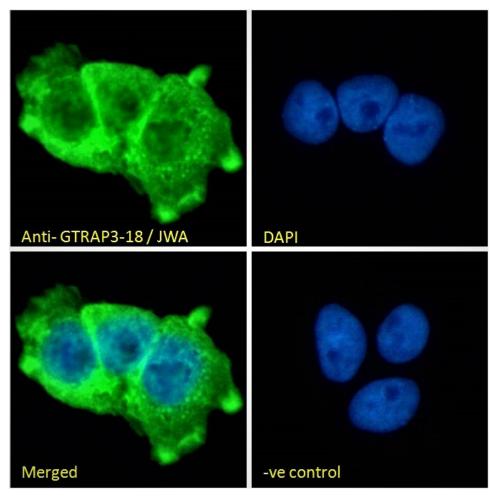
Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

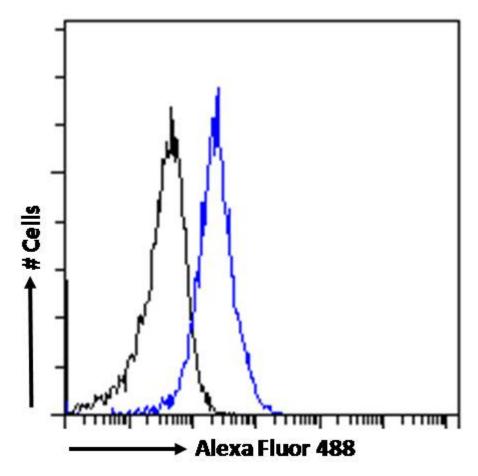
EB05631 (1ug/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer) . Detected by chemiluminescence.

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa 10kDa

 ${\sf EB05631\ (1ug/ml)\ staining\ of\ K562\ cell\ lysate\ (35\mu g\ protein\ in\ RIPA\ buffer)\ .\ Detected\ by\ chemiluminescence.}$

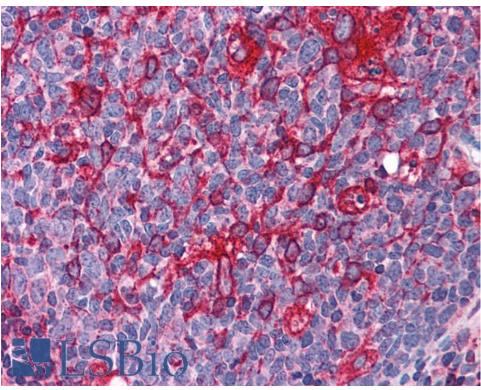


EB05631 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane and ER/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

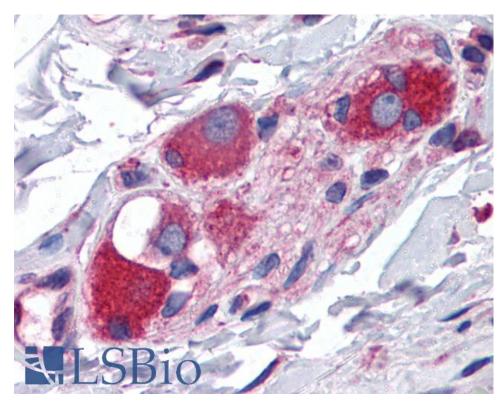


EB05631 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

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



EB05631 (3.75μg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB05631 (3.75 μ g/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.