EB09814 - Goat Anti-TRIM29 / ATDC Antibody

Size: 100µg specific antibody in 200µl

UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

Target Protein

Principal Names: ataxia-telangiectasia group D-associated protein, ATDC, FLJ36085, tripartite motif protein TRIM29, tripartite motif-containing 29, TRIM29
Official Symbol: TRIM29
Accession Number(s): NP_036233.2; NP_001317311.1
Human GeneID(s): 23650
Non-Human GeneID(s): 72169 (mouse), 300656 (rat)

Immunogen

Peptide with sequence C-EKDRIKSFTTNE, from the internal region of the protein sequence according to NP_036233.2; NP_001317311.1.

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 1:128000.
Western blot: Approx 37kDa band observed in Human Peripheral Blood Mononucleocytes (PBM) and in lysates of cell lines HeLa. An additional 70kDa band was seen in some PBM lysates (calculated MW of 37.3kDa according to NP_001317311.1 (isoform 2) and 65.8kDa according to NP_036233.2 (isoform 1). Recommended concentration: 0.1-1µg/ml. Primary incubation 1 hour at room tempetature.
IHC: In paraffin embedded Human Skin shows staining of subnuclear structures and cytoplasm in keratinocytes. Recommended concentration: 3.75µg/ml.

Immunofluorescence: Strong expression of the protein seen in the Cytoplasm and Intermediate filament of A431 cells. Strong expression of the protein seen in the Nucleus of 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, Mouse, Rat, Cow

EB09814 (1µg/ml) staining of Peripheral Blood Mononucleocyte (A) and (0.1 ug/ml) HeLa (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09814 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic and Intermediate filament staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).

EB09814 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 staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).

EB09814 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 (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

EB09814 (3.75µg/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.