

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.

EB07741 - Goat Anti-TIA1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TIA1, TIA1 cytotoxic granule-associated RNA binding protein, TIA1 cytotoxic granule-associated RNA-binding protein, TIA1 protein, cytotoxic granule-associated RNA-binding protein, p40-TIA-1 (containing p15-TIA-1)

Official Symbol: TIA1

Accession Number(s): NP_071320.1; NP_071505.1

Human GeneID(s): 7072

Non-Human GenelD(s): 21841 (mouse), 312510 (rat)

Important Comments: This antibody is expected to recognise both reported isoforms

(NP_071320.1 and NP_071505.1).

Immunogen

Peptide with sequence C-PKSTYESNTKQ, from the internal region of the protein sequence according to NP_071320.1; NP_071505.1.

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 40kDa band observed in lysates of cell line Jurkat (calculated MW of 41.8kDa according to NP_071320.1). Recommended concentration: 0.1-0.3μg/ml. Primary incubation was 1 hour. An additional band at 80kDa and a very strong 26kDa is also observed. These bands were successfully blocked by incubation with the immunising pentide

IHC: Paraffin embedded Human Thyroid. Recommended concentration: 3.75µg/ml.

Immunofluorescence: Strong expression of the protein seen in the nucleus and cytoplasm of HeLa cells. Recommended concentration: $5\mu g/ml$.

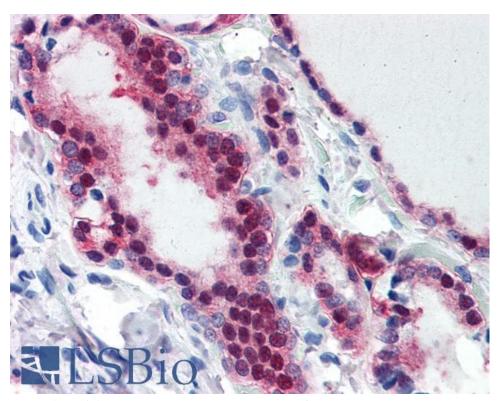
Species Reactivity

Tested: Human

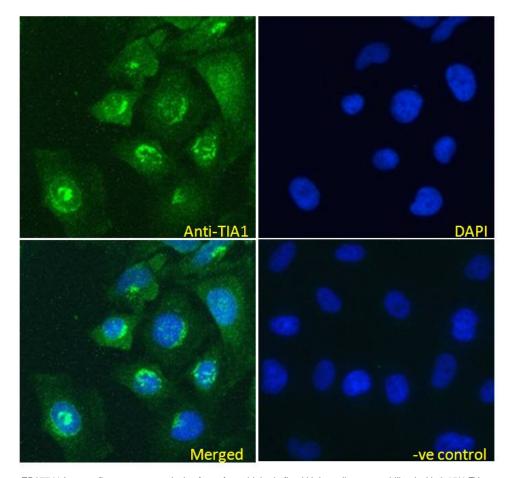
Expected from sequence similarity: Human, Mouse, Rat, Dog



 $EB07741 \ (0.1 \mu g/ml) \ staining \ of \ Jurkat \ cell \ lysate \ (35 \mu g \ protein \ in \ RIPA \ buffer). \ Detected \ by \ chemilumine scence.$



EB07741 (3.75 μ g/ml) staining of paraffin embedded Human Thyroid. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07741 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).