

Datasheet for ABIN190808
anti-TIA1 antibody (Internal Region)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TIA1
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This TIA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA

Product Details

Purpose:	TIA1
Immunogen:	Peptide with sequence C-PKSTYESNTKQ, from the internal region of the protein sequence according to NP_071320.1, NP_071505.1.
Sequence:	PKSTYESNTK Q
Isotype:	IgG
Specificity:	This antibody is expected to recognise both reported isoforms (NP_071320.1 and NP_071505.1).
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target: TIA1

Alternative Name: TIA1 ([TIA1 Products](#))

Background: 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)

Gene ID: 7072, 21841, 312510

NCBI Accession: [NP_071320](#), [NP_071505](#)

Application Details

Application Notes: Immunohistochemistry: Paraffin embedded Human Thyroid. Recommended concentration: 3.75 µg/mL.

Western Blot: Approx 40 kDa band observed in lysates of cell line Jurkat (calculated MW of 41.8 kDa according to NP_071320.1). Recommended concentration: 0.1-0.3 µg/mL. Primary incubation was 1 hour. An additional band at 80 kDa and a very strong 26 kDa is a
Peptide ELISA: antibody detection limit dilution 1:128000.

Comment: **Immunofluorescence:** Strong expression of the protein seen in the nucleus and cytoplasm of HeLa cells. Recommended concentration: 5µg/ml.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

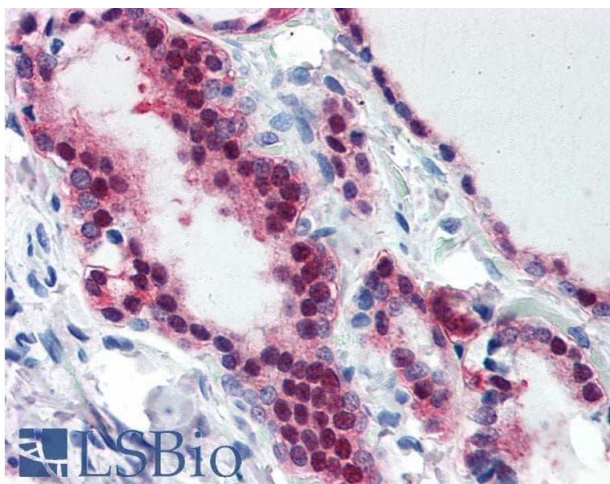
Handling Advice: Minimize freezing and thawing.

Handling

Storage: -20 °C

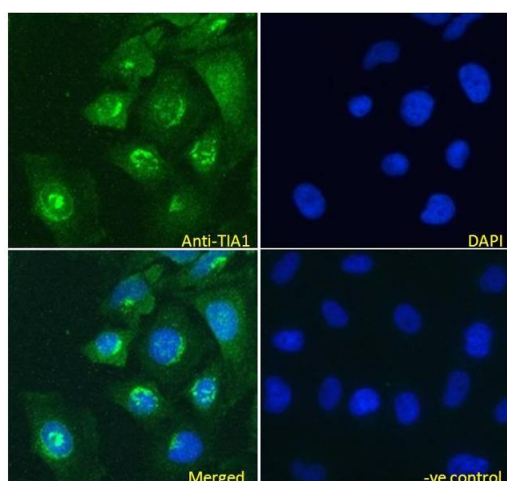
Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



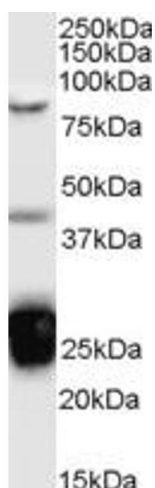
Immunohistochemistry

Image 1. ABIN190808 (3.75µg/ml) staining of paraffin embedded Human Thyroid. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunofluorescence

Image 2. ABIN190808 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 (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Western Blotting

Image 3. ABIN190808 (0.1µg/ml) staining of Jurkat cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.