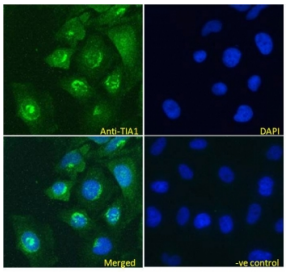
TIA1 Antibody / T-Cell Intracellular Antigen-1 (R35053)

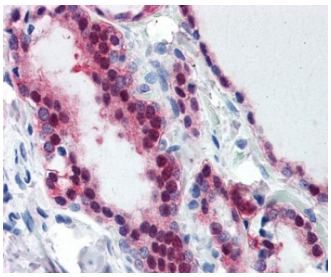
Catalog No.	Formulation	Size
R35053-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

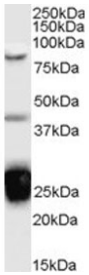
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
UniProt	P31483
Gene ID	7072
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.1-0.3ug/ml Immunohistochemistry (FFPE): 3.75ug/ml Immunofluorescence: 5ug/ml ELISA (peptide) LOD: 1:128000
Limitations	This TIA1 antibody is available for research use only.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with TIA1 antibody (green) at 5ug/ml and DAPI nuclear stain (blue).



IHC staining of FFPE human thyroid tissue with TIA1 antibody at 3.75ug/ml. Required HIER: steamed antigen retrieval with pH6 citrate buffer; AP-staining.



Western blot testing of Jurkat cell lysate with TIA1 antibody at 0.1ug/ml. Predicted molecular weight: ~43 kDa, ~42 kDa and ~24 kDa (three isoforms).

Description

T-Cell Intracellular Antigen-1 (TIA1) is involved in regulating gene expression and has been found to be essential for the maintenance of T-cell homeostasis. Research has shown that TIA1 is involved in alternative splicing and mRNA degradation, processes that are essential for the proper functioning of T-cells. In addition, TIA1 has been shown to play a role in the regulation of immune responses and inflammation. TIA1 also plays a role in the response to stress. When T-cells are exposed to stress, TIA1 relocalizes to stress granules and helps to regulate the translation of stress-induced mRNAs. This process is essential for the survival of T-cells under stress conditions.

Application Notes

Optimal dilution of the TIA1 antibody should be determined by the researcher.

Immunogen

Amino acids PKSTYESNTKQ were used as the immunogen for this TIA1 antibody.

Storage

Aliquot and store the TIA1 antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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