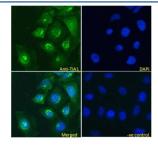


# TIA1 Antibody / T-Cell Intracellular Antigen-1 (R35053)

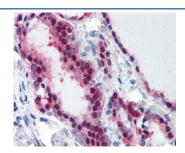
Catalog No.	Formulation	Size
R35053-100UG	0.5~mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

## **Bulk quote request**

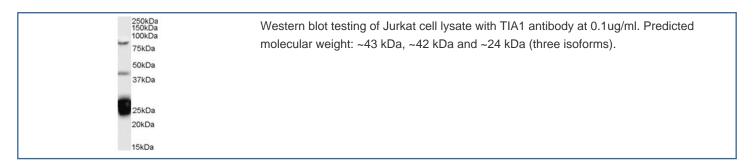
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
UniProt	P31483
Gene ID	7072
Localization	Nuclear, cytoplasmic
Applications	Western Blot: 0.1-0.3ug/ml Immunohistochemistry (FFPE): 3.75ug/ml 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.



### **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.