

Product Datasheet

TIA1 Antibody NB100-60555

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-60555

TIA1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	7072
Gene Symbol	TIA1
Species	Human
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Mouse, Rat, Canine.
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_071320.1 and NP_071505.1).
Immunogen	Peptide with sequence C-PKSTYESNTKQ corresponding to internal region according to NP_071505.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.1-0.3 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 5 ug/ml, Immunohistochemistry-Paraffin 3.75 ug/ml, Peptide ELISA Detection limit 1:128000
Application Notes	WB: Approx. 40 kDa band observed in Jurkat lysates (calculated MW of 41.8 kDa band according to NP_071320.1). An additional band at 80 kDa band and a very strong 26 kDa band is also observed. These bands were successfully blocked by incubation with the immunizing peptide.

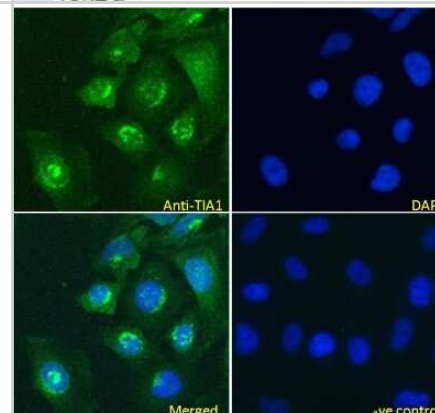


Images

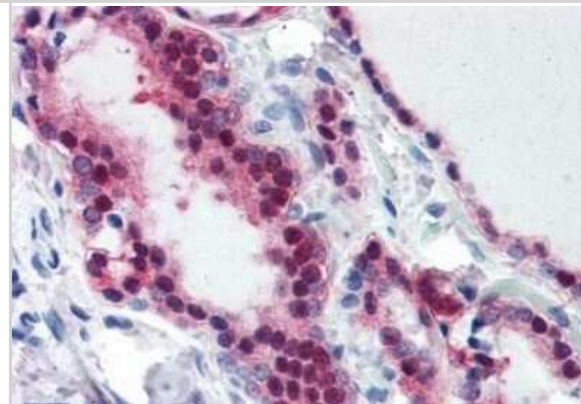
Western Blot: TIA1 Antibody [NB100-60555] - (0.1ug/ml) staining of Jurkat cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

Immunocytochemistry/Immunofluorescence: TIA1 Antibody [NB100-60555] - 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



Immunohistochemistry-Paraffin: TIA1 Antibody [NB100-60555] - (3.75ug/ml) staining of paraffin embedded Human Thyroid. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Yang F, Peng Y, Murray EL et al. Polysome-bound endonuclease PMR1 is targeted to stress granules via stress-specific binding to TIA-1. Mol Cell Biol 2006-12-01 [PMID: 16982678]



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Products Related to NB100-60555

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00007072-P01-10ug	Recombinant Human TIA1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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