

# 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	
Description	Novus Biologicals Goat TIA1 Antibody (NB100-60555) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-TIA1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
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, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, 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

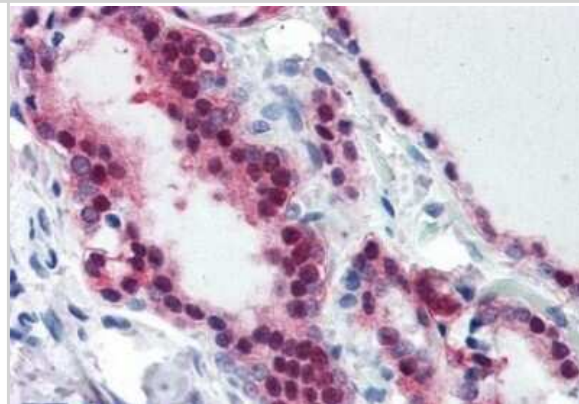
Western Blot: TIA1 Antibody [NB100-60555] - (0.1ug/ml) staining of Jurkat cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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

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### **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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