Product Datasheet

TIA1 Rabbit mAb

Catalog No: #49472

Package Size: #49472-1 50ul #49472-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

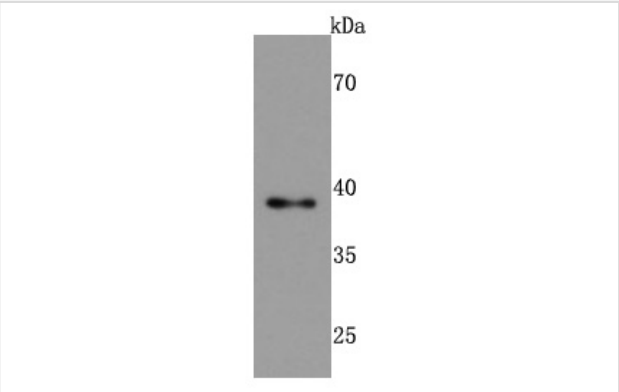
Description

Product Name	TIA1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JM42-11
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Cytotoxic granule associated RNA binding protein 1 antibody Cytotoxic granule associated RNA binding protein antibody mTIA-1 antibody Nucleolysin TIA 1 isoform p40 antibody Nucleolysin TIA-1 isoform p40 antibody Nucleolysin TIA1 isoform p40 antibody p40 TIA 1 antibody p40-TIA-1 (containing p15-TIA-1) antibody p40-TIA-1 antibody RNA binding protein TIA 1 antibody RNA binding protein TIA1 antibody RNA-binding protein TIA-1 antibody T-cell-restricted intracellular antigen-1 antibody TIA 1 antibody TIA 1 cytotoxic granule associated RNA binding protein antibody Tia antibody TIA-1 antibody TIA1 antibody TIA1 cytotoxic granule associated RNA binding protein antibody TIA1 cytotoxic granule associated RNA binding protein like 1 antibody TIA1 protein antibody TIA1_HUMAN antibody TIAL1 antibody TIAR antibody WDM antibody
Accession No.	Swiss-Prot#:P31483
Calculated MW	43 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

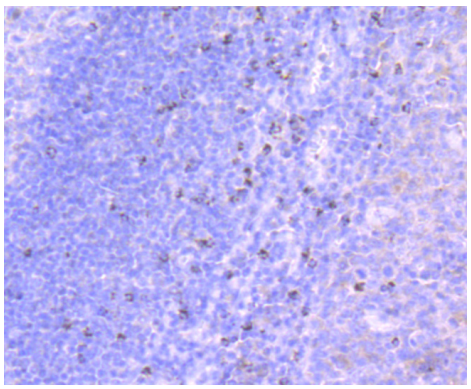
Application Details

WB: 1:500-1:1000IHC: 1:50-1:200 ICC: 1:50-1:200IP: 1:10-1:50

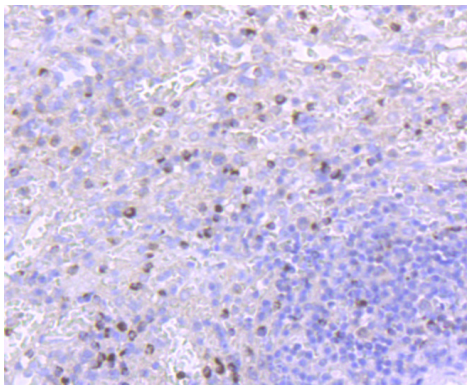
Images



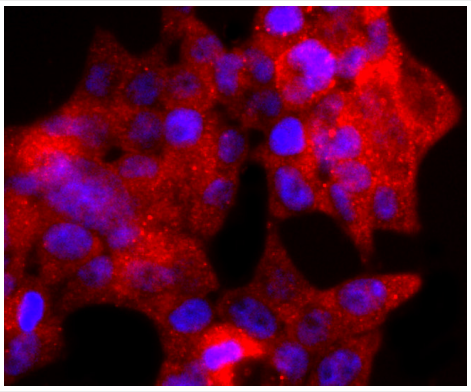
Western blot analysis of TIA1 on Jurkat cells lysates using anti-TIA1 antibody at 1/500 dilution.



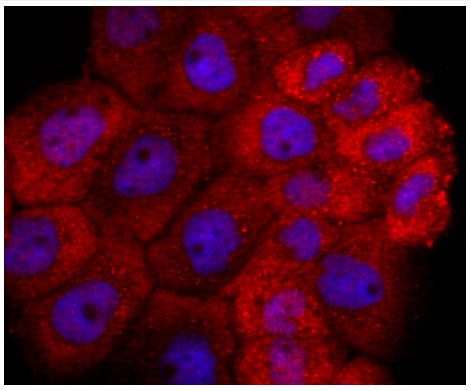
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-TIA1 antibody. Counter stained with hematoxylin.



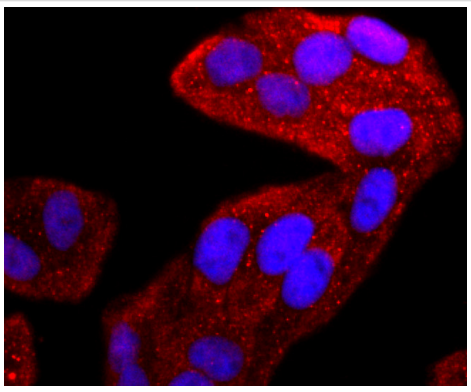
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-TIA1 antibody. Counter stained with hematoxylin.



ICC staining TIA1 in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TIA1 in A431 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TIA1 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

FAS, also referred to as CD95 or APO-1, is a type I transmembrane protein that plays a central role mediating viral immunity. TIA-1 and TIAR are two closely related proteins that possess three RRMs (RNA recognition motifs), designated RRM 1, 2 and 3. Although both TIA-1 and TIAR are thought to function as mediators of apoptotic cell death, their specific roles in such pathways are unknown. Unlike TIA-1, which is found in the granules of cytotoxic lymphocytes, TIAR expression is limited to the nucleus and found in a much broader range of cells including, but not limited to, cells of hematopoietic origin. TIAR is translocated to the cytoplasm shortly after FAS ligation and this event immediately proceeds the onset of DNA fragmentation. A novel serine/threonine kinase that is activated as a result of FAS ligation, designated FAST (FAS-activated serine/threonine), shows kinase specificity towards both TIA-1 and TIAR. In unstimulated Jurkat cells, FAST resides in the cytoplasm as a highly phosphorylated protein and is quickly dephosphorylated and activated in response to stimulated FAS.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.