

Anti-TIA1 Antibody (9Q940)

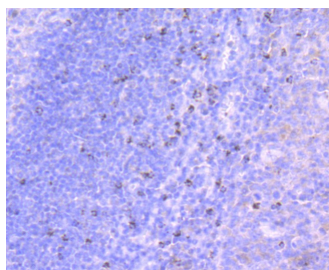
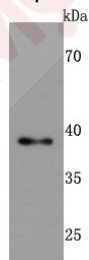
Product Details

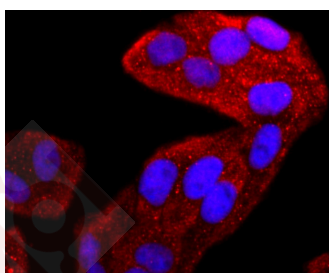
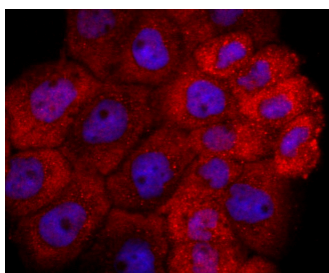
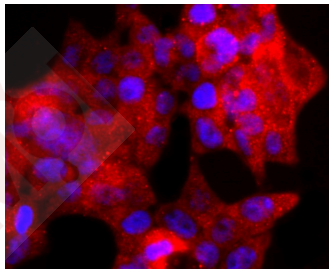
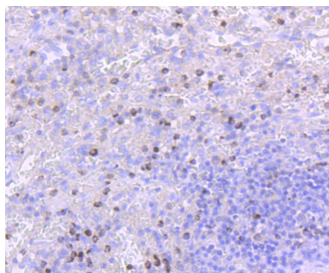
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 43 kDa.
Clone:	9Q940
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of TIA1 on Jurkat cells lysates using anti-TIA1 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-TIA1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-TIA1 antibody. Counter stained with hematoxylin.
4. 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.
5. 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.
6. 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.





Application: ICC/IF,IHC,IP,WB

Recommended WB: 1:500-1000; IHC: 1:50-200; ICC/IF: 1:50-200; IP: 1:10-50

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P31483

Synonyms: Tia;RNA-binding protein TIA-1;TIA1_HUMAN;p40-TIA-1;RNA binding protein TIA1;Nucleolysin TIA-1 isoform p40;WDM;TIA-1;p40 TIA 1;Cytotoxic granule associated RNA binding protein; TIAR;TIA1 cytotoxic granule associated RNA binding protein;mTIA-1;p40-TIA-1 (containing p15-TIA-1);TIAL1;Nucleolysin TIA 1 isoform p40;T-cell-restricted intracellular antigen-1;Nucleolysin TIA1 isoform p40;RNA binding protein TIA 1;TIA1;TIA1 cytotoxic granule associated RNA binding

protein like 1;TIA1 protein;TIA 1;TIA 1 cytotoxic granule associated RNA binding protein;
Cytotoxic granule associated RNA binding protein 1

Research 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 RRM (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.

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