TIA1 Conjugated Antibody

Catalog No: #C49472

Package Size: #C49472-AF350 100ul #C49472-AF405 100ul #C49472-AF488 100ul #C49472-AF555 100ul #C49472-AF594 100ul #C49472-AF647 100ul #C49472-AF680 100ul #C49472-AF750 100ul #C49472-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	TIA1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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
Uniprot	P31483
GeneID	7072;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	43 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only