

ARG58773
anti-TIA1 antibody [TRIA1-1]Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [TRIA1-1] recognizes TIA1
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	TRIA1-1
Isotype	IgG2b
Target Name	TIA1
Species	Human
Immunogen	Recombinant partial protein corresponding to aa. 279-380 of Human TIA1.
Conjugation	Un-conjugated
Alternate Names	T-cell-restricted intracellular antigen-1; WDM; TIA-1; RNA-binding protein TIA-1; p40-TIA-1; Nucleolysin TIA-1 isoform p40

Application Instructions

Application table	Application	Dilution
	WB	1 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 44 kDa	

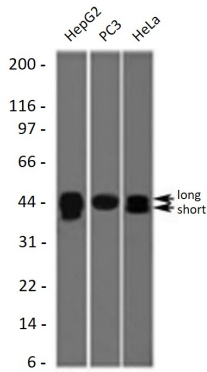
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TIA1
Gene Full Name	TIA1 cytotoxic granule-associated RNA binding protein
Background	The product encoded by this gene is a member of a RNA-binding protein family and possesses nucleolytic activity against cytotoxic lymphocyte (CTL) target cells. It has been suggested that this protein may be involved in the induction of apoptosis as it preferentially recognizes poly(A) homopolymers and induces DNA fragmentation in CTL targets. The major granule-associated species is a 15-kDa protein that is thought to be derived from the carboxyl terminus of the 40-kDa product by proteolytic processing. Alternative splicing resulting in different isoforms of this gene product has been described in the literature. [provided by RefSeq, Jul 2008]
Function	Involved in alternative pre-RNA splicing and regulation of mRNA translation by binding to AU-rich elements (AREs) located in mRNA 3' untranslated regions (3' UTRs). Possesses nucleolytic activity against cytotoxic lymphocyte target cells. May be involved in apoptosis. [UniProt]
Calculated Mw	43 kDa
Cellular Localization	Cytoplasmic granule, Nucleus. [UniProt]

Images



ARG58773 anti-TIA1 antibody [TRIA1-1] WB image

Western blot: HepG2, PC3 and HeLa cell lysates stained with ARG58773 anti-TIA1 antibody [TRIA1-1]. The long and short forms differ by 17 amino acids.