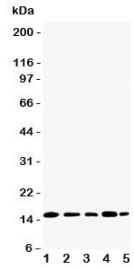
TIA-1 Antibody (R31316)

Catalog No.	Formulation	Size
R31316	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P31483
Applications	Western blot: 0.5-1ug/ml
Limitations	This TIA-1 antibody is available for research use only.



Western blot testing of TIA-1 antibody and Lane 1: Jurkat; 2: Raji; 3: CEM; 4: HT1080; 5: K562 cell lysate. Predicted molecular weight: ~43kDa and ~15kDa (granulocyte-associated isoform).

Description

TIA-1 (T-Cell Intracellular Antigen-1), also called WDM, is an RNA-binding protein involved in splicing regulation and translational repression. It is a member of a RNA-binding protein family and possesses nucleolytic activity against cytotoxic lymphocyte(CTL) target cells. By in situ hybridization, the gene is mapped to chromosome 2p13.3. 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 though to be derived from the carboxyl terminus of the 40-kDa product by proteolytic processing.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TIA-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human TIA1 (STQRSQDHFHVFV) was used as the immunogen for this TIA-1 antibody (100% mouse homology).

Storage

After reconstitution, the TIA-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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