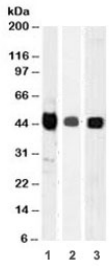
TIA-1 Antibody [clone TRIA1-1] (V7235)

Catalog No.	Formulation	Size
V7235-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7235-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7235SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	TRIA1-1
Purity	Protein G affinity chromatography
Gene ID	7072
Localization	Cytoplasmic
Applications	1-2ug/ml
Limitations	This TIA-1 antibody is available for research use only.



Western blot testing of A) HepG2, B) PC3 and C) HeLa cell lysate wiht TIA-1 antibody (clone TRIA1-1). The long and short forms differ by 17 amino acids. Predicted molecular weight: ~43kDa and ~15kDa (granulocyte-associated isoform).

Description

T-Cell Intracellular Antigen-1 is a cytoplasmic granule-associated protein expressed in lymphocytes processing cytolytic potential. It is a member of an 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 15kDa protein thought to be derived from the carboxyl terminus of the 40kDa product by proteolytic processing. TIA-1 antibody labels cytotoxic T cells and natural killer cells (NK cells). It is also expressed in T-cell lymphoma, large granular lymphocyte (LGL) leukemia and hairy cell leukemia. TIA1 expression in T-cell malignancies may help in differentiating LGL leukemia (high expression) from T-cell lymphocytosis and other T-cell diseases (low expression). TIA1 may also be used to label tumor-infiltrating lymphocytes in the study of immune response to malignancies.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the TIA-1 antibody to be titered up or down for optimal performance.

Immunogen

Human recombinant partial protein (amino acids 279-380) was used as the immunogen for this TIA-1 antibody.

Storage

Store the TIA-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (1)

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