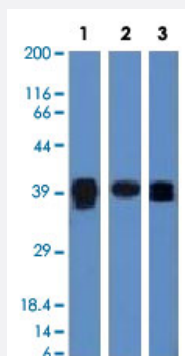


TIA1 monoclonal antibody, clone TIA1/1313

Catalog # MAB14897 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis with TIA1 monoclonal antibody, clone TIA1/1313 (Cat # MAB14897):

1. HepG2 cell line
2. PC3 cell line
3. HeLa cell line

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human TIA1.
Immunogen	Recombinant protein corresponding to amino acids 279-380 of human TIA1 (exact sequence is proprietary).
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG2b
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (1-2 ug/mL) Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunofluorescence

- Flow Cytometry

Gene Info — TIA1

Entrez GeneID[7072](#)**Gene Name**

TIA1

Gene Alias

-

Gene Description

TIA1 cytotoxic granule-associated RNA binding protein

Omim ID[603518](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

T-cell-restricted intracellular antigen-1|TIA1 cytotoxic granule-associated RNA-binding protein|TIA1 protein|cytotoxic granule-associated RNA-binding protein|nucleolysin TIA-1 isoform p40|p40-TIA-1 (containing p15-TIA-1)

Publication Reference

- [TIA-1: structural and functional studies on a new class of cytolytic effector molecule.](#)

Anderson P.

Current Topics in Microbiology and Immunology 1995 Jan; 198:131.