9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-2710: Anti-TIAR Purified

Clonality :	Monoclonal
Clone Name :	6E3
Application :	WB
Reactivity :	Human
Gene :	TIAL1
Gene ID :	7073
Uniprot ID :	Q01085
Format :	Purified
Alternative Name :	TIA1 cytotoxic granule associated RNA binding prot TCBP, TIAL1
Immunogen Information :	GST-tagged recombinant human TIAR

Description

TIAR is an ubiquitously expressed RNA-binding protein, which regulates translational control, splicing, and other activities, including apoptosis. TIAR attenuates CDK1 activity, and is essential for the G2/M checkpoint. It accumulates in nuclear foci in late G2 phase and prophase in cells under replication stress. In steady state TIAR shuttles between the cytoplasm and the nucleus, probably as a part of nucleocytoplasmic transport of mRNA, but under stress conditions it accumulates mRNA molecules in granules and prevents their translation. Nucleolytic activity of TIAR against attacked target cells of cytotoxic lymphocytes has also been reported. Similarly, e.g. in permeabilized thymocytes TIAR triggers DNA fragmentation.
Specificity :The mouse monoclonal antibody 6E3 recognizes TIAR, an ubiquitously expressed approximately 42 kDa intracellular RNA-binding protein.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Intracellular staining; recommended dilution: 5 Âµg/ml

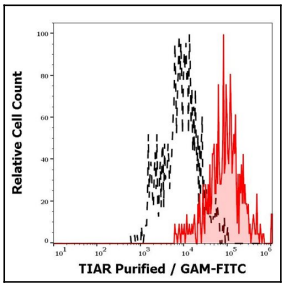


Figure 1: Flow cytometry staining of TIAR in human cell line A-431 using purified mouse monoclonal antibody 6E3 (concentration in sample 5 µg/ml, GAM FITC, red-filled) from A-431 cells unstained by primary antibody (GAM FITC, black-dashed) in flow cytometry analysis

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