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10-7572: Monoclonal Antibody to TIA-1 (Clone: ABM47E1)

Clonality :	Monoclonal
Clone Name :	ABM47E1
Application :	IHC,WB
Reactivity :	Human
Gene :	TIA1
Gene ID :	7072
Uniprot ID :	P31483
Format :	Purified
Alternative Name :	TIA1
Isotype :	Mouse IgG1
Immunogen Information :	A partial length recombinant TIA-1 protein (amino acids 182-385) was used as the immunogen for this antibody.

Description

TIA1 (T-cell intracellular antigen) are mRNA-binding proteins that can aggregate within granules under specific stress conditions. TIA-1 is a multi-domain ribonucleic acid (RNA) binding protein that recognizes poly-uridine tract RNA sequences to facilitate 5' splice site recognition by the U1 small nuclear ribonucleoprotein (snRNP). TIA1 mutation causes perturbed RNA splicing and cellular stress resulting in WDM (Welander distal myopathy). TIA-1 regulates developmental and stress-responsive pathways through distinct activities at the levels of alternative pre-mRNA splicing and mRNA translation by recognising uridine-rich sequences of RNAs.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml; Immunohistochemical analysis: 5-10 µg/ml

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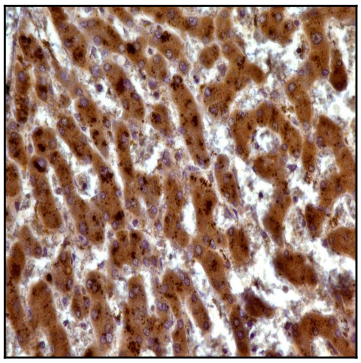


Fig-1: Immunohistochemical analysis of TIA-1 in human Liver carcinoma tissue using TIA-1 antibody (Clone: ABM47E1) at 5 µg/ml.

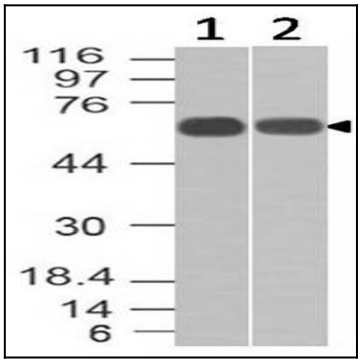


Fig-2: Western blot analysis of TIA-1. Anti-TIA-1 antibody (Clone: ABM47E1) was tested 2 µg/ml on (1) DU145 and (2) h Ovary lysates.

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