



Anti-TIA1 Antibody

Alternative Names: WDM, TIA-1, T-cell-restricted intracellular antigen-1, p40-TIA-1

Catalogue Number: AB19-10085-100ug

Size: 100 µg

Background Information

T-cell intracellular antigen 1 (TIA1) is an RNA binding protein that binds to the 5'TOP sequence of 5'TOP mRNAs. Under stress conditions, TIA1 localises to cellular RNA-protein conglomerations (stress granules). The major granule-associated species is a 15-kDa protein that is likely derived from the carboxyl terminus of the 40-kDa product by proteolytic processing.

TIA1 has been shown to co-localise with hyperphosphorylated tau and progressively accumulate with aggregated tau in tau-mediated neurodegeneration. Additionally mutations in the TIA1 gene have been associated with amyotrophic lateral sclerosis, frontotemporal dementia and Welander distal myopathy.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse
Immunogen:	A synthetic peptide from the C-terminal region of human TIA1		
Format:	100 µg in 100 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	WB IHC IF WB 1:500-2000. IHC 1:50-200. IF 1:50-200.		

Additional Information

Subcellular location:	Cytoplasmic granule Nucleus	MW:	43kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	7072	Uniprot ID:	P31483