



## Anti-TIA1 Antibody

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

**Catalogue Number:** AB19-10085-50ug

**Size:** 50 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

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

### Additional Information

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