TIA-1 (D1Q3K) Rabbit mAb		Cell Signaling	
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
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#86050	Web:	info@cellsignal.com cellsignal.com	
<b>4</b>	3 Trask Lane Danvers	Massachusetts   01923   USA	
For Research Use Only, Not for Use in Diagnostic Procee	dures.		

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 42, 44	Source/Isotype: Rabbit IgG	UniProt ID: #P31483	Entrez-Gene Id 7072
Product Usage Information	Ар	plication			Dilution	
		estern Blotting			1:1000	
	Imi	nunoprecipitation			1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity / Sensi	tivity TIA-	TIA-1 (D1Q3K) Rabbit mAb recognizes endogenous levels of total TIA-1 protein.				
Source / Purificati				nunizing animals with a suman TIA-1 protein.	synthetic peptide corre	esponding to
Background	binc thyr thre resp that tran Stre mRI	ling proteins that wa nocytes (1). TIA-1 p e amino-terminal RI ponsible for generati TIA-1 and TIAR pla slocate from the nu- ss granules function	as originally found rotein has about RM domains and ing at least two is by a role in apopto cleus to stress gran as sites of trans	member of the RNA-re I to induce DNA fragmen 80% identity to the relat a glutamine-rich carbox oforms of TIA-1 and TIA biss, cellular stress, and anules in response to a slational repression in re TIAR include TNF- $\alpha$ , Co	ntation in digitonin-per ed TIAR protein, both yl terminus (1,2). Alter AR (3,4). Several resea inflammation. Importa variety of environmen sponse to potentially of	meabilized of which possess mative splicing is arch studies indicate untly, TIA-1 and TIAR tal stresses (5-8). damaging conditions.
Background Refer	2. K 3. Iz 4. B 5. K 6. G		1992) Proc Natl A ′alcárcel, J. (2007 ′6) Nucleic Acids (1999) J Cell Bio Mol Biol Cell 15,	/ 147, 1431-42.		

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western biol).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc.

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