Revision	1





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Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 58	Source/Isotype: Rabbit	UniProt ID: #O95376	Entrez-Gene Id: 10425	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity/Sen	icity/Sensitivity TRIAD1 Antibody recognizes endogenous levels of total TRIAD1 protein. Based upon sequence alignment, this antibody is not predicted to cross-react with HHARI/ARIH1.				sequence		
Species predict based on 100% homology	ed to react sequence	Chicken, Bovine, Dog,	Pig, Horse				
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human TRIAD1 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		The E3 ubiquitin-protein ligase ARIH2 (TRIAD1) is an Ariadne subfamily ligase involved in the polyubiquitination of proteins designated for proteasomal degradation. The TRIAD1 nuclear protein contains an amino-terminal acidic region, a pair of RING fingers, two carboxyl-terminal coiled coil domains and a novel C6HC DRIL/IBR domain located between the RING fingers. Together, the paired RING fingers and DRIL/IBR domain form a highly conserved TRIAD (two RING fingers and DRIL) domain (1). Research studies suggest that TRIAD1 mediates both Lys48 and Lys63 protein polyubiquitination and acts as a negative regulator of myelopoiesis. TRIAD1 ubiquitin ligase inhibits myeloid cell proliferation by mediating protein ubiquitination through the ubiquitin-conjugating enzymes UbcH7 and UbcH13 (2,3). Experimental deletion of TRIAD1 in mice has a lethal effect, leading to death at the embryonic stage or later due to a severe, multi-organ inflammatory response. Results indicate that TRIAD1 binds IkBβ in dendritic cells and promotes the degradation of the NF-κB inhibitor (4).					
Background Re	ferences	1. van der Reijden, B.A 2. Marteijn, J.A. et al. (; 3. Marteijn, J.A. et al. (; 4. Lin, A.E. et al. (2013)	A. et al. (1999) <i>Prote</i> 2005) <i>Blood</i> 106, 41 2009) <i>Leukemia</i> 23, 1 <i>Nat Immunol</i> 14, 2	<i>in Sci</i> 8, 1557-61. 14-23. 1480-9. 7-33.			
Species Reactiv	vity	Species reactivity is de	termined by testing	g in at least one approve	d application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20	ern blots, incubate at 4°C with gentle s	ubate membrane with diluted primary antibody in 5% w/v BSA, 1X entle shaking, overnight.			
Applications Ke	≥y	W: Western Blotting					
Cross-Reactivit	у Кеу	H: Human M: Mouse F	nan M: Mouse R: Rat Mk: Monkey				
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