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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 45	Source/Isotype: Rabbit	UniProt ID: #P43357	Entrez-Gene Id: 4102
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
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/Sensitivity		MAGE-A3 Antibody recognizes endogenous levels of total MAGE-A3 protein. This antibody cross-reacts with MAGE-A6.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human MAGE-A3 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		Cancer/testis antigens (CTAs) are a family of more than 100 proteins whose normal expression is largely restricted to immune privileged germ cells of the testis, ovary, and trophoblast cells of the placenta. Although most normal somatic tissues are void of CTA expression, due to epigenetic silencing of gene expression, their expression is upregulated in a wide variety of human solid and liquid tumors (1,2). As such, CTAs have garnered much attention as attractive targets for a variety of immunotherapy- based approaches to selectively attack tumors (3).				
		proteins. The expression upregulated in a numb myeloma (4-6). Researd part of the MAGE-A3-TI tumor suppressor kina and high degree of imi	on of MAGE-A3 is n per of human cance ch studies have rec RIM28 ubiquitin lig Ise AMPK (7). Due t munogenicity, MAC	cer testis antigen and b ormally restricted to the ers, such as lung cancer, cently demonstrated tha ase complex that promo o its upregulated and se GE-A3 has received signif of vaccines and adoptive	human testis but is colorectal cancer, a t MAGE-A3 drives tu otes proteasomal de elective expression i ficant attention as a	s aberrantly nd multiple umorigenesis as egradation of the n human tumors
Background Re	eferences	 Caballero, O.L. and C De Smet, C. et al. (19 Gjerstorff, M.F. et al. Jang, S.J. et al. (2001) Shantha Kumara, H. Atanackovic, D. et al. Pineda, C.T. et al. (20 Straetemans, T. et al Esfandiary, A. and Gi 	999) <i>Mol Cell Biol</i> 19 (2015) <i>Oncotarge</i>) <i>Cancer Res</i> 61, 79 M. et al. (2012) <i>Car</i> . (2007) <i>Blood</i> 109, 115) <i>Cell</i> 160, 715-2 . (2012) <i>Clin Dev Ir</i> .	9, 7327-35. 16, 15772-87. 59-63. <i>Incer Immun</i> 12, 16. 1103-12. 8.	. 83-704.	
Species Reactiv	vity	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human				
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