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Rig-I (D33H10) Rabbit mAb



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Applications: W, IP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 102	Source/Isotype: Rabbit IgG	UniProt ID: #O95786	Entrez-Gene Id: 23586
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, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sens	sitivity	Rig-I (D33H10) Rabbit mAb detects endogenous levels of total Rig-I protein.				
Species predicto based on 100% homology		Monkey, Bovine, Pig				
Source / Purifica	ation	Monoclonal antibody is residues surrounding G		unizing animals with a s ig-I.	synthetic peptide co	prresponding to
Background		inducible gene I) and M transcription of type I ir sites that recognize the (ssRNA), double-strande different cell compartm membranes and helicas LPS, IFN, and viral infec detects viral dsRNA and triggering downstream triphosphate end not se distinct set of viruses (1 signaling and IFN produ	e Toll-like recepto DA-5 (melanoma molecular pattern ed RNA (dsRNA), a ents; TLRs (i.e. TLR ses are localized to tion (4,5). Both Ric l two amino-termi signaling (4-7). Ri een in host RNA (8 0,11). The CARD d uction, is recruited	r (TLR) family and RNA h differentiation-associate nd antiviral enzymes (1-3 ns of different virus type nd glycoproteins. These R3, TLR7, TLR8, and TLR9 o the cytoplasm. Rig-I ex g-I and MDA-5 share a D nal caspase recruitment g-I binds both dsRNA an	elicases, such as Rig d antigen 5), which). TLRs and helicase s, including DNA, si antiviral proteins a a) are expressed on pression is induced ExD/H-box helicase domains (CARD) th d viral ssRNA that c related, Rig-I and M which is sufficient to the MAVS/VISA/Car	g-I (retinoic acid- promote the proteins contain ingle-stranded RNA re found in endosomal by retinoic acid, domain that at are required for contains a 5'- IDA-5 detect a o generate rdif/IPS-1
Background Re	ferences		pp, J. (2006) <i>Mol C</i> ocarnini, S.A. (200 02) <i>Biochem Biop</i>) <i>Microb Pathog</i> 25 2005) <i>J Immunol</i> 1 2004) <i>Nat Immunol</i> 06) <i>Science</i> 314, 9 06) <i>Science</i> 314, 9 06) <i>Science</i> 314, 9 06) <i>Science</i> 314, 9 06) <i>Science</i> 314, 9 05) <i>Nature</i> 437, 11 <i>Mol Cell</i> 19, 727-4 5) <i>Nat Immunol</i> 6,	ell 22, 561-9. 7) Immunol Cell Biol 85, hys Res Commun 292, 2 8, 267-78. 75, 2851-8. ol 5, 730-7. 94-7. 97-1001. 5. 00-200. 67-72. 0. 981-8.		
Species Reactiv	ity	Species reactivity is det	ermined by testing	g in at least one approve	d application (e.g.,	western blot).
Western Blot Bu	-	IMPORTANT: For wester			primary antibody ir	ר 5% w/v BSA, 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 M: Mouse		
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