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e at -20C	Caspase-11 (17D9) Rat mAb		Cell Signaling тесн N о L о G Y*
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For Research	Use Only.	Not for Use	e in Diag	nostic Proce	edures.

Applications: WB, IP	<b>Reactivity:</b> M	Sensitivity: Endogenous	<b>MW (kDa):</b> 38, 43	Source/Isotype: Rat IgG2a	UniProt ID: #P70343	Entrez-Gene Id: 12363	
Product Usage Information	<b>Ap</b> We Imi	plication estern Blotting munoprecipitation			<b>Dilution</b> 1:1000 1:100		
Storage	Sup 0.02	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. <i>Do not aliquot the antibody.</i>					
Specificity / Sensi	tivity Cas	Caspase-11 (17D9) Rat mAb recognizes endogenous levels of total caspase-11 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the p30 subunit terminus of mouse caspase-11 protein.					
Background Refer	Cas apo cas Cas activ activ that can rece pyro cas 7 <b>ences</b> 1. N 2. T 3. M 4. L 5. H 6. K 7. A 8. B 9. K	spases are a family of ptosis as well as infla pase-11 (1). Caspase spase-1 cleaves inflat vated by proteolytic of vation of caspase-1 of include Pycard/Asc, onical activation of ca- eptor ligands includin optosis, a form of pro- pase-1, suggesting a lg, T.M. and Monack, hornberry, N.A. et al. fartinon, F. et al. (2002) amkanfi, M. and Dixit lagar, J.A. et al. (2012) ayagaki, N. et al. (2012) roz, P. et al. (2012) A ayagaki, N. et al. (2012)	f aspartate-spec ammatory respor e-11 has about 6 mmatory cytokin cleavage producio occurs through s nucleotide-bindi aspase-1 is trigg g LPS. Activation grammed cell de unique mechan D.M. (2013) Cen (1992) Nature 3 02) Mol Cell 10, 4 c, V.M. (2014) Ce 3) Science 341 3) Science 339, lature 490, 288- 11) Nature 479,	fic cysteine-dependent hses. Pro-inflammatory 0% and 55% identity to es such as pro-IL-1 $\beta$ an ng a tetramer of its two everal complex molecul ng oligomerization rece ered by caspase-11, wh of this pathway induce eath (5-9). Pyroptosis m ism for protease. <i>Il Host Microbe</i> 14, 9-14 56, 768-74. 417-26. <i>Il</i> 157, 1013-22. 1250-3. , 1246-9. 975-8. 91. 117-21.	proteases that play a c caspases include casp human caspases-4 an d IL-18 into their matur active subunits, p20 ar ar platforms designated ptors (NLRs), and AIM: nich is transcriptionally es inflammatory cytokin ay be specific for caspa	ritical role in ase-1 and mouse d -5, respectively. e forms (2). It is id p10. Canonical d "inflammasomes" 2 (3, 4). Non- induced by toll-like es as well as ase-11, rather than	
Species Reactivity	<b>/</b> Spec	cies reactivity is deter	mined by testing	in at least one approve	ed application (e.g., we	stern blot).	
Western Blot Buff	er IMP0 0.1%	DRTANT: For westerr 5 Tween® 20 at 4°C v	n blots, incubate with gentle shaki	membrane with diluted ng, overnight.	primary antibody in 5%	w/v BSA, 1X TBS,	
Applications Key	WB	: Western Blotting IP	: Immunoprecipi	tation			
Cross-Reactivity F	<ul> <li>DSS-Reactivity Key</li> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanoga</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>					1: D. melanogaster ': horse	
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Limited Uses							

## Caspase-11 (17D9) Rat mAb (#14340) Datasheet Without Images Cell Signaling Technology

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