Store at -20C

6439

## Cell Signaling **Gasdermin B Antibody** H. 877-616-CELL (2355) orders@cellsignal.com Orders: Support: 877-678-TECH (8324) info@cellsignal.com cellsignal.com Web:

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 47	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q8TAX9-1	Entrez-Gene Id: 55876
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:100	
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		Gasdermin B Antibody recognizes endogenous levels of total Gasdermin B protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu96 of human Gasdermin B protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		to play a role in inflam downstream effector of inflammasomes, multi patterns (PAMPs) or da caspase-1 and subsequ was identified by two i caspase-11/4/5, produ intramolecular inhibito	mation and cell de of pyroptosis (1,2). protein complexes anger-associated n uent cleavage of p ndependent group cing two fragment ory interaction betw	DMA, GSDMB, GSDMC, G ath. Gasdermin D has be Pyroptosis is a lytic type assembled in response nolecular patterns (DAMI ro-inflammatory cytoking as a substrate of inflar s: GSDMD-N and GSDMI ween the N- and C-termin a through the formation	een reported to hav of cell death trigger to pathogen-associ Ps) that result in the es IL-1β and IL-18 (2 nmatory caspases, D-C. Cleavage result nal domains, allowin	e a critical role as a red by ated molecular e activation of 3). Gasdermin D caspase-1 and s in release of an ng the N-terminal
		cancer has been assoc been associated with in found in the lung epith	iated with metasta mmune disorders nelium associated v	d to be upregulated in se isis and poor prognosis ( including asthma (10,11) with asthma. Gasdermin omote Gasdermin D clea	8,9). In addition Ga ). Gasdermin B expr B can also have a r	sdermin B has ession has also be
Background Re	ferences	1. Kayagaki, N. et al. (2 2. Shi, J. et al. (2015) <i>N</i> . 3. Broz, P. and Dixit, V. 4. Aglietti, R.A. et al. (20 5. Ding, J. et al. (2016) <i>N</i> 6. Liu, X. et al. (2016) <i>N</i> 7. Sborgi, L. et al. (2016) 8. Hergueta-Redondo, 9. Hergueta-Redondo, 10. Yu, J. et al. (2011) <i>P</i> 11. Das, S. et al. (2016) 12. Chen, Q. et al. (2011)	ature 526, 660-5. M. (2016) Nat Rev I 016) Proc Natl Aca Nature 535, 111-6. Jature 535, 153-8. 6) EMBO J 35, 1766 M. et al. (2014) PL M. et al. (2016) On Pediatr Pulmonol 40 Proc Natl Acad Sci	mmunol 16, 407-20. d Sci USA 113, 7858-63. -78. oS One 9, e90099. cotarget 7, 56295-308. 5, 701-8. i U S A 113, 13132-7.		
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a		membrane with diluted shaking, overnight.	primary antibody ir	ז 5% w/v BSA, 1X
Applications Ke	ey 🛛	W: Western Blotting IP	: Immunoprecipita	ation		
Cross-Reactivit	y Key	H: Human				

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