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## **IFI16 Antibody**



Orders: 877-616-CELL (2355)

orders@cellsignal.com

877-678-TECH (8324) **Support:** 

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 85, 95, 98	<b>Source/Isotype:</b> Rabbit	UniProt ID: #Q16666	Entrez-Gene Id: 3428	
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000		
Storage		Supplied in 10 mM so 20°C. Do not aliquot t	odium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – the antibody.				
Specificity/Sen	sitivity	IFI16 Antibody recogn	nizes endogenous le	evels of total IFI16 protei	in.		
Source / Purific	ation		Pro399 of human I	nmunizing animals with a FI16 protein. Antibodies			
Background		IFI16) and at least thir PYHIN family is character stranded DNA and a Pinflammasome-formin observed to bind DNA produced by alternativelymphocytes, and high interact with p53 and shown to directly sens	teen members in n cterized by the pres YRIN domain that r ng ASC protein (1). I n both the cytopla ve splicing (4). IFI16 hly inducible in mar to play a role in cell se intracellular viral gators have observe	consists of four member nice (1). The closest home ence of one or two HIN- mediates interactions an FI16 also has a nuclear lasm and nucleus (2,3). The is constitutively express by others by interferons lular senescence by moc DNA, leading to recruitred increased levels of IFI sus (7-9).	olog of IFI16 in mic 200 domains that b nong family membe localization signal, l nere are three isofo sed by some cells, s (5). IFI16 has been lulating p53 activity ment of STING and	e is p204. The pind double ers, as well as the put has been rms of IFI16 uch as shown to directly (6). IFI16 was activation of IRF-3	
Background Re	ferences	1. Keating, S.E. et al. (2 2. Unterholzner, L. et a 3. Kerur, N. et al. (201 4. Johnstone, R.W. et a 5. Trapani, J.A. et al. (1 6. Johnstone, R.W. et a 7. Choubey, D. and Pa 8. Mondini, M. et al. (2 9. Seelig, H.P. et al. (19	al. (2010) <i>Nat Immu</i> I) <i>Cell Host Microbe</i> Il. (1998) <i>Biochemis</i> 992) <i>Immunogene</i> Il. (2000) <i>Oncogene</i> nchanathan, R. (200	nol 11, 997-1004. 29, 363-75. htry 37, 11924-31. htcs 36, 369-76. 19, 6033-42. 08) Immunol Lett 119, 32 m 54, 3939-44.	2-41.		

**Species Reactivity** Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer** IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X

TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key** W: Western Blotting

**Cross-Reactivity Key** H: Human

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