Revision 1		
ថ្មី GIMAP5 Antibody	Ce T E	CHNOLOGY*
	Orders:	877-616-CELL (2355) orders@cellsignal.com
80	Support:	877-678-TECH (8324)
410	Web:	info@cellsignal.com cellsignal.com
*	Trask Lane Danvers Mass	achusetts 01923 USA

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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 30,32	Source/Isotype: Rabbit	UniProt ID: #Q96F15	Entrez-Gene Id: 55340		
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/Sens	sitivity	GIMAP5 Antibody recognizes endogenous levels of total GIMAP5 protein. This antibody also recognizes proteins of unknown origin at 12 kDa and 50 kDa.						
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human GIMAP5 protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background		GTPase immune-assoc (IAN) proteins, are evol inflammation, and aut (GIMAP5, hIan5) is the lymphopenia and insul protein is preferentially Research studies using peripheral T-cells, hem GIMAP5 deficiency lead <i>GIMAP5</i> gene are asso mechanisms for GIMAI mitochondrial integrity	iated proteins (GIN lutionarily conserv oimmune diseases homolog of the ra lin-dependent diab y expressed in CD4 g GIMAP5-deficient atopoietic stem ce ds to a loss of imm ciated with system P5 control of cell si r, lysosomal functio	MAP), also known as imn ed GTP-binding proteins (reviewed in 1,2). Huma t Ian4 protein that is mu retes in Biobreeding dial - and CD8-positive T-cel mice show that GIMAP Ils, and progenitor cells unological tolerance (8), ic lupus erythematosus urvival include regulatio on, and calcium regulati	nune-associated nu s involved in lympho in GTPase IMAP fan itated in severe case oetes-prone (BB-DP ls as well as B-cell ly protein is critical fi (5-7). Additional stu Polymorphisms in and type I diabetes n of Bcl-2 family pro on (5,7, 11-14).	cleotide-binding poyte development, nily member 5 es of T-cell) rats (3,4). GIMAP5 mphomas (4). or survival of idies indicate that the human (9-11). Potential pteins,		
Background Re	ferences	1. Nitta, T. and Takahar 2. Ciucci, T. and Bossel 3. Hornum, L. et al. (20 4. Zenz, T. et al. (2004) 5. Pandarpurkar, M. et 6. Schulteis, R.D. et al. (7. Chen, Y. et al. (2011) 8. Aksoylar, H.I. et al. (20 9. Hellquist, A. et al. (20 10. Shin, J.H. et al. (200 11. Lim, M.K. et al. (200 12. Keita, M. et al. (200 13. Wong, V.W. et al. (21 14. Chen, X.L. et al. (20	na, Y. (2007) Trendut, R. (2014) Eur J I 02) Diabetes 51, 19 Genes Immun 5, 1 al. (2003) Proc Nat (2008) Blood 112, 4 J Exp Med 208, 92: 0012) J Immunol 18 007) J Med Genet 4 7) Genes Immun 8 99) Lupus 18, 1045- 7) Biochem Biophy 010) Self Nonself 1 13) Biochem J 449,	ls Immunol 28, 58-65. mmunol 44, 348-51. 072-9. 09-16. I Acad Sci U S A 100, 103 1905-14. 3-35. 8, 146-54. 4, 314-21. , 503-12. -52. Is Res Commun 361, 481 , 259-268. 353-64.	82-7. -6.			
Species Reactiv	ity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Bı	uffer	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 Ke	y	W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity	у Кеу	H: Human						
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