Dov	ic	ion	1
nev	12	1011	



Applications: W	Reactivity: H M	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 120, 130	<b>Source/Isotype:</b> Rabbit	UniProt ID: #015117	Entrez-Gene Id: 2533		
Product Usage Information		Application Western Blotting	· ·		Dilution 1:1000			
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 aliguot the antibody.						
Specificity/Sen	sitivity	ADAP Antibody recognizes endogenous levels of total ADAP protein.						
Source / Purific	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro731 of human ADAP protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background		ADAP (adhesion and degranulation-promoting adaptor protein/SLAP-130/Fyb) is an SH3 domain- containing adaptor protein expressed by T cells, NK cells, and myeloid cells (1,2). There are two isoforms of ADAP with predicted molecular weights of 85 kDa and 90 kDa, but observed molecular weights of 120 kDa and 130 kDa (1-3). ADAP was identified as an adaptor protein that interacts with SLP-76 following T cell receptor (TCR) stimulation and was subsequently found to be important for several aspects of T cell activation (1,2). For example, ADAP is required for integrin-dependent clustering, signaling, and adhesion (4,5). In addition, ADAP interacts with CARMA1 and facilitates assembly of the CARMA1-Bcl10-MALT1 complex important for NF-kB activation downstream of TCR activation (6). Finally, following binding of a T cell to an antigen presenting cell, ADAP forms a ring at the immunological synapse that recruits dynein to enable microtubule-organizing center polarization (7).						
Background References 1. Musci, M.A. et al. (1997) J Biol Chem 272, 11674-7   2. Schraven, B. et al. (1997) Jmmunol Lett 57, 165-9   3. Veale, M. et al. (1999) J Biol Chem 274, 28427-35.   4. Griffiths, E.K. et al. (2001) Science 293, 2260-3.   5. Peterson, E.J. et al. (2001) Science 316, 754-8.   7. Combs, J. et al. (2006) Proc Natl Acad Sci U S A 10								
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	d application (e.g., v	western blot).		
Western Blot B	suffer	IMPORTANT: For west dry milk, 1X TBS, 0.1%	or western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat S, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications K	ey	W: Western Blotting						
Cross-Reactivit	су Кеу	H: Human M: Mouse						
Trademarks an	d Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.						
		All other trademarks a more information.	re the property of	their respective owners.	Visit cellsignal.com/	trademarks for		
Limited Uses		Except as otherwise ex the following terms ap terms and conditions separately accepted in force or effect.	xpressly agreed in a oply to Products pro that are in addition writing by a legall	a writing signed by a lega ovided by CST, its affiliate to, or different from, the y authorized representat	ally authorized repre is or its distributors ose contained herei ive of CST, are rejec	esentative of CST, . Any Customer's n, unless ted and are of no		

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.