Revision 1				
Phospho-Afadin (Ser1718) Antibody	T C	Cell Signaling		
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com		
	Support:	877-678-TECH (8324)		
#5485	Web:	info@cellsignal.com cellsignal.com		
9 #	3 Trask Lane Danvers Mas	sachusetts 01923 USA		
For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 205	Source/Isotype: Rabbit	UniProt ID: #P55196	Entrez-Gene Io 4301	
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 aliquot the antibody.					
Specificity/Sens	sitivity	Phospho-Afadin (Ser1718) Antibody detects endogenous levels of l-afadin protein only when phosphorylated at serine 1718.					
Species predicto based on 100% homology		Mouse, Rat, Monkey,	Dog				
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser1718 of human afadin. Antibodies are purified using protein A and peptide affinity chromatography.					
Background		maintenance of cell p epithelium and endo cell-cell contacts link protein, Afadin, bind nectin assembles cad formation and maint expressed, and s-afa lacking one of the th binding region (6). H myeloid leukemias (7 directionality of cell r Phospho-Afadin (Ser (CST) using Phospho Ser1718 was discove	bolarity. Tight juncti thelium (reviewed in ing cells into a conti s to nectin forming dherin at the cell-cel ienance of TJs (4,5) din, which is expres ree proline-rich regi uman s-afadin is ide 7). Recent work has novement when it is 1718) Antibody is di Scan [®] , CST's LC-MS/ red using an Akt sul	junctions play essential r ons (TJs) form a continuc n 1). Adherens junctions nuous sheet (reviewed ir a connection to the actir I adhesion site and these Afadin has two splice var sed predominantly in ne ons found in I-afadin, as entical to AF-6, the ALL-1 also shown that afadin is s localized at the leading rected at a site that was MS platform for modific. bstrate antibody. Please w.phosphosite.org for m	bus barrier to fluids (AJs) are dynamic sto a cytoskeleton (3). A e junctions are then iants: l-afadin, whic ural tissue. s-Afadir well as the carboxy fusion partner invo i involved in control edge of moving ce identified at Cell Sig ation site discovery, visit PhosphoSitePlu	across the ructures that form ent-binding Js are formed when involved in the h is ubiquitously is a shorter form I-terminal F-actin Ived in acute ling the Is (8,9). naling Technology Phosphorylation a	
Background Re	ferences	1. Shin, K. et al. (2006 2. Harris, T.J. and Tep 3. Ikeda, W. et al. (19 4. Sato, T. et al. (2006 5. Ooshio, T. et al. (20 6. Mandai, K. et al. (1 7. Prasad, R. et al. (1 8. Miyata, M. et al. (2 9. Miyata, M. et al. (2	aass, U. (2010) Nat R 99) J Cell Biol 146, 1 5) J Biol Chem 281, 5 007) J Cell Sci 120, 23 997) J Cell Biol 139, 1 993) Cancer Res 53, 009) J Cell Sci 122, 4	<i>ev Mol Cell Biol</i> 11, 502-1 117-32. 288-99. 352-65. 517-28. 5624-8. 319-29.	4.		
Species Reactiv	ity	Species reactivity is c	letermined by testir	ng in at least one approve	ed application (e.g.,	western blot).	
Western Blot Bı	uffer	IMPORTANT: For wes TBS, 0.1% Tween® 20		e membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X	
Applications Ke	У	W: Western Blotting					
Cross-Reactivity	y Key	H: Human					
Trademarks and	d Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.					

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