Dov	ic	ion	1
nev	12	1011	



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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:	
Product Usage		Application	021	Rabbit	Dilution		
		Immunoprecipitation			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/Sen	nsitivity TKS5 Antibody recognizes endogenous levels of total TKS5 protein. This antibody cross-reacts with a 300 kDa protein of unknown identity.						
Source / Purific	ation	Polyclonal antibodies a residues surrounding a affinity chromatograph	are produced by imr Asp910 of human Tl hy.	nunizing animals with a KS5 protein. Antibodies	synthetic peptide co are purified by prote	orresponding to ein A and peptide	
Background		TKS5 (SH3PXD2A, FISH) is a scaffold protein expressed on invadosomes of both normal and transformed cell lines. Research studies suggest that TKS5 is functionally required for both the formation and invasive behavior of invadosomes (1, 2). TKS5 has an N-terminal PX domain that mediates invadosome initiation and localization of MMP-rich vesicles to the invadosome (3). TKS5 also has five SH3 domains, which recruit ADAM family proteinases to the invadosome to degrade extracellular matrix. These SH3 domains interact with adaptor proteins to facilitate F-actin polymerization during invadosome formation (4-6). Src tyrosine kinase has been shown to phosphorylate TKS5 at Tyr557 and Tyr619, which was shown to be necessary and sufficient for TKS5-mediated invadopia formation and invasion (7). Elevated TKS5 expression is positively associated with invasive behavior of cancer cells, suggesting TKS5 may have prognostic potential in cancer (8, 9).					
Background Re	ferences	1. Paterson, E.K. and C 2. Courtneidge, S.A. (20 3. Jacob, A. et al. (2016 4. Abram, C.L. et al. (2005 5. Crimaldi, L. et al. (2005 6. Stylli, S.S. et al. (2005 7. Burger, K.L. et al. (2014 9. Blouw, B. et al. (2014)	ourtneidge, S.A. (20 012) <i>Biochem Soc Tri</i>) <i>J Cell Sci</i> 129, 4341 003) <i>J Biol Chem</i> 278 09) <i>Exp Cell Res</i> 315 9) <i>J Cell Sci</i> 122, 272 14) <i>Prostate</i> 74, 134 4) <i>Oncol Rep</i> 32, 989 5) <i>PLoS One</i> 10, e01	17) FEBS J doi:10.1111/f rans 40, 129-32. -4353. , 16844-51. 5, 2581-92. 7-40. 4-48. 9-1002. 21003.	ebs.14123.		
Species Reactiv	ity	Species reactivity is de	termined by testing	in at least one approve	d application (e.g., w	vestern blot).	
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 ;	ern blots, incubate r at 4°C with gentle sl	nembrane with diluted haking, overnight.	primary antibody in	5% w/v BSA, 1X	
Applications Ke	y	W: Western Blotting IF	P: Immunoprecipitat	ion			
Cross-Reactivit	у Кеу	H: Human					
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		All other trademarks a more information.	re the property of tl	neir respective owners.	Visit cellsignal.com/t	rademarks for	
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