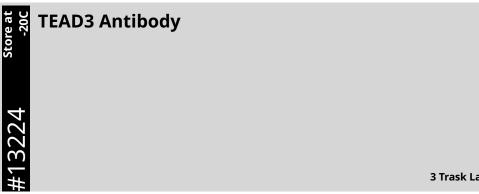
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Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 49	Source/Isotype: Rabbit	UniProt ID: #Q99594	Entrez-Gene Id: 7005	
Product Usage Information	2	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100		
Storage		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/Sensitivity TEAD3 Antibody recognizes endogenous levels of t react with other TEAD family proteins.				levels of total TEAD3 pro	otein. This antibody	does not cross-	
Source / Purifi	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys110 of human TEAD3 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		The Hippo pathway is an important evolutionarily conserved signaling pathway that controls organ size and tumor suppression by inhibiting cell proliferation and promoting apoptosis (1,2). An integral function of the Hippo pathway is to repress the activity of Yes-associated protein (YAP), a proposed oncogene whose activity is regulated by phosphorylation and subcellular localization (3,4). When the Hippo pathway is turned on, YAP is phosphorylated by LATS1/2 kinase and sequestered in the cytoplasm by 14-3-3 protein binding, rendering YAP inactive. When the Hippo pathway is off, non- phosphorylated YAP translocates to the nucleus where it associates with various transcription factors including members of the transcriptional enhancer factor (TEF) family, also known as the TEA domain (TEAD) family (TEAD1-4) (5,6). Although widely expressed in tissues, the TEAD family proteins have specific tissue and developmental distributions. YAP/TEAD complexes regulate the expression of genes involved in cell proliferation and apoptosis (5).					
Background R	eferences	1. Pan, D. (2010) <i>Dev Cell</i> 19, 491-505. 2. Harvey, K.F. et al. (2003) <i>Cell</i> 114, 457-67. 3. Zhao, B. et al. (2010) <i>Genes Dev</i> 24, 862-74. 4. Zhao, B. et al. (2008) <i>Curr Opin Cell Biol</i> 20, 638-46. 5. Zhao, B. et al. (2008) <i>Genes Dev</i> 22, 1962-71. 6. Zhao, B. et al. (2007) <i>Genes Dev</i> 21, 2747-61.					
Species Reacti	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot E	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 K	ley	W: Western Blotting IP: Immunoprecipitation					
Cross-Reactivi	ty Key	H: Human M: Mouse R: Rat					
Trademarks aı	nd Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.					
		All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.					
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