

#13908 Store at -20°C

Phospho-TRAF2 (Ser11) (E2B6L) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H M	Endogenous	53	Rabbit IgG	#Q12933	7186

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, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. <i>Do not aliquot the antibody.</i>	
Specificity / Sensitivity	Phospho-TRAF2 (Ser11) (E2B6L) Rabbit mAb recognizes endogenous levels of TRAF2 protein only when phosphorylated at Ser11.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser11 of human TRAF2 protein.	
Background	<p>TRAFs (TNF receptor-associated factors) are a family of multifunctional adaptor proteins that bind to surface receptors and recruit additional proteins to form multiprotein signaling complexes capable of promoting cellular responses (1-3). Members of the TRAF family share a common carboxy-terminal "TRAF domain", which mediates interactions with associated proteins; many also contain amino-terminal Zinc/RING finger motifs. The first TRAFs identified, TRAF1 and TRAF2, were found by virtue of their interactions with the cytoplasmic domain of TNF-receptor 2 (TNFR2) (4). The six known TRAFs (TRAF1-6) act as adaptor proteins for a wide range of cell surface receptors and participate in the regulation of cell survival, proliferation, differentiation, and stress responses.</p> <p>TRAF2 is phosphorylated at Ser11 by IKK-ε, promoting K63-linked ubiquitination, NF-κB activation, and cellular transformation (5).</p>	
Background References	<ol style="list-style-type: none"> 1. Arch, R.H. et al. (1998) <i>Genes Dev</i> 12, 2821-30. 2. Chung, J.Y. et al. (2002) <i>J Cell Sci</i> 115, 679-88. 3. Bradley, J.R. and Pober, J.S. (2001) <i>Oncogene</i> 20, 6482-91. 4. Rothe, M. et al. (1994) <i>Cell</i> 78, 681-92. 5. Shen, R.R. et al. (2012) <i>Mol Cell Biol</i> 32, 4756-68. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot 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 Key	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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