

#2294 Store at -20C

DRAK2 (33D7) Rabbit mAb


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Applications: WB, IP, IHC-P	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 43	Source/Isotype: Rabbit IgG	UniProt ID: #O94768	Entrez-Gene Id: 9262
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Product Usage Information	Application Western Blotting Immunoprecipitation Immunohistochemistry (Paraffin)	Dilution 1:1000 1:50 1:50
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. Do not aliquot the antibody.	
Specificity / Sensitivity	DRAK2 (33D7) Rabbit mAb detects endogenous levels of total DRAK2 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp315 of mouse DRAK2.	
Background	DRAK2 (DAP kinase related apoptosis inducing protein kinase 2) is a member of the novel DAP (death associated protein) pro-apoptotic kinase family (1). Overexpression of DRAK2 in NIH/3T3 cells induces morphological changes associated with apoptosis, which are likely to occur in a p53-dependent manner (1,2). DRAK2 is preferentially expressed in lymphoid tissues and regulates the TCR activation threshold during thymocyte selection (3). Indeed, T cells from DRAK2 ^{-/-} mice exhibit enhanced sensitivity to T cell receptor-mediated stimulation and have a reduced requirement for co-stimulation (4).	
Background References	1. Kögel, D. et al. (2001) <i>Bioessays</i> 23, 352-358. 2. Sanjo, H. et al. (1998) <i>J. Biol. Chem.</i> 273, 29066-29071. 3. Friedrich, M.L. et al. (2005) <i>Int. Immunol.</i> 17, 1379-1390. 4. McGargill, M.A. et al. (2004) <i>Immunity</i> 21, 781-791.	

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 IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin)
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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