

#3523 Store at -20C

RalB Antibody



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

Applications: WB	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 26	Source: Rabbit	UniProt ID: #P11234	Entrez-Gene Id: 5899
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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 / Sensitivity	RalB Antibody detects endogenous levels of total RalB protein. The antibody might also react with overexpressed RalA protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu142 of human RalB protein. Antibodies are purified by peptide affinity chromatography.	
Background	RalA and RalB are members of the Ras family of small GTPases and are highly homologous in protein sequence. The functions of RalA and RalB are distinct yet overlapping. By binding to various effector proteins, RalA and RalB serve as important GTP sensors for exocytosis and membrane trafficking (1-3). RalA is required for Ras-related tumorigenesis (4) and RalB is important for tumor survival (5). In addition to tumor formation, Ral proteins also play a role in cancer cell migration and metastatic tumor invasion (6,7).	
Background References	<ol style="list-style-type: none"> 1. Li, G. et al. (2007) <i>J Neurosci</i> 27, 190-202. 2. van Dam, E.M. and Robinson, P.J. (2006) <i>Int J Biochem Cell Biol</i> 38, 1841-7. 3. Camonis, J.H. and White, M.A. (2005) <i>Trends Cell Biol</i> 15, 327-32. 4. Lim, K.H. et al. (2005) <i>Cancer Cell</i> 7, 533-45. 5. Chien, Y. et al. (2006) <i>Cell</i> 127, 157-70. 6. Oxford, G. et al. (2005) <i>Cancer Res</i> 65, 7111-20. 7. Lim, K.H. et al. (2006) <i>Curr Biol</i> 16, 2385-94. 	

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 nonfat dry milk, 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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