## Rab38 Antibody Cell Signaling 0rders: 877-616-CELL (2355)<br/>orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com<br/>cellsignal.com 3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W, IP	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 23	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #P57729	Entrez-Gene Id: 23682
Product Usage Information	•	<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 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/Sensitivity		Rab38 Antibody detects endogeneous levels of total Rab38 protein.				
Species predic based on 100% homology	ted to react sequence	Monkey				
Source / Purifi	cation	Polyclonal antibodies residues surrounding affinity chromatograp	are produced by im Val192 of human R ıhy.	munizing animals with a ab38 protein. Antibodie	a synthetic peptide s are purified by pro	corresponding to otein A and peptide
Background		Rab38 is a member of cells and melanocytes and causes abnormal been mapped to ocule Syndrome (4). Analysi rats also revealed an a indicating a role for R implicate Rab38 in the stability (7,8).	the Rab small G pr (1,2). In mice, the pigmentation due ocutaneous albinis s of lung structure altered lung surfact ab38 in lung functio e post-Golgi traffick	otein family and is main G146T Rab38 gene muta to the loss of melanosor n in Ruby rats, a model o n the G146T mutation ir ant system with enlarge on and development (5,6 ing of enzymes (e.g. TYR	ly expressed in lung ition results in loss ones (3). The Rab38 ( of human Hermans on mice and the Rab3 d lamellar bodies ir (5). Dysfunction muta (P1) related to mela	y alveolar type II of Rab38 function yene locus has ky-Pudlak 8 null mutation in h type II cells, ation studies nogenesis and
Background References		<ol> <li>Jäger, D. et al. (2000) <i>Cancer Res</i> 60, 3584-91.</li> <li>Osanai, K. et al. (2001) <i>Am J Pathol</i> 158, 1665-75.</li> <li>Loftus, S.K. et al. (2002) <i>Proc Natl Acad Sci USA</i> 99, 4471-6.</li> <li>Oiso, N. et al. (2004) <i>Mamm Genome</i> 15, 307-14.</li> <li>Osanai, K. et al. (2008) <i>Am J Pathol</i> 173, 1265-74.</li> <li>Osanai, K. et al. (2010) <i>Am J Physiol Lung Cell Mol Physiol</i> 298, L243-51.</li> <li>Wasmeier, C. et al. (2006) <i>J Cell Biol</i> 175, 271-81.</li> <li>Lopes, V.S. et al. (2007) <i>Mol Biol Cell</i> 18, 3914-27.</li> </ol>				
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed 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		W: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human				
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