

#4229 Store at -20°C

## Dexas1 Antibody



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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB	H	Endogenous	30	Rabbit	#Q9Y272	51655

<b>Product Usage Information</b>	<b>Application</b> Western Blotting	<b>Dilution</b> 1:1000
<b>Storage</b>	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.	
<b>Specificity / Sensitivity</b>	Dexas1 Antibody detects endogenous levels of total Dexas1 protein. The antibody also cross-reacts with a 60 kDa protein of unknown origin.	
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human Dexas1 protein. Antibodies were purified by protein A and peptide affinity chromatography.	
<b>Background</b>	Dexas1 (Ras dexamethasone induced 1) belongs to the Ras superfamily of GTPases and was initially identified as a dexamethasone inducible gene (1,2). Dexas1 reportedly regulates several distinct signal transduction pathways, including MAPK signaling, NMDA receptor-nitric oxide-mediated signaling, and pathways involving adenylyl cyclases (3-5). Dexas1 can directly modulate FE65-APP-mediated transcription and regulate the photic sensitivity of the mammalian circadian clock (6,7).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>1. Kemppainen, R.J. and Behrend, E.N. (1998) <i>J Biol Chem</i> 273, 3129-31.</li> <li>2. Tu, Y. and Wu, C. (1999) <i>Biochim Biophys Acta</i> 1489, 452-6.</li> <li>3. Fang, M. et al. (2000) <i>Neuron</i> 28, 183-93.</li> <li>4. Graham, T.E. et al. (2004) <i>Biochem Biophys Res Commun</i> 316, 307-12.</li> <li>5. Nguyen, C.H. and Watts, V.J. (2005) <i>Biochem Biophys Res Commun</i> 332, 913-20.</li> <li>6. Cheng, H.Y. et al. (2006) <i>J Neurosci</i> 26, 12984-95.</li> <li>7. Lau, K.F. et al. (2008) <i>J Biol Chem</i> 283, 34728-37.</li> </ol>	

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