

#4229 Store at -20C

Dexas1 Antibody



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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 30	Source/Isotype: Rabbit	UniProt ID: #Q9Y272	Entrez-Gene Id: 51655
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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	Dexas1 Antibody detects endogenous levels of total Dexas1 protein. The antibody also cross-reacts with a 60 kDa protein of unknown origin.	
Source / Purification	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.	
Background	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).	
Background References	<ol style="list-style-type: none"> 1. Kempainen, R.J. and Behrend, E.N. (1998) <i>J Biol Chem</i> 273, 3129-31. 2. Tu, Y. and Wu, C. (1999) <i>Biochim Biophys Acta</i> 1489, 452-6. 3. Fang, M. et al. (2000) <i>Neuron</i> 28, 183-93. 4. Graham, T.E. et al. (2004) <i>Biochem Biophys Res Commun</i> 316, 307-12. 5. Nguyen, C.H. and Watts, V.J. (2005) <i>Biochem Biophys Res Commun</i> 332, 913-20. 6. Cheng, H.Y. et al. (2006) <i>J Neurosci</i> 26, 12984-95. 7. Lau, K.F. et al. (2008) <i>J Biol Chem</i> 283, 34728-37. 	

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	W: Western Blotting
Cross-Reactivity Key	H: Human
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