Phospho-Nur77 (Ser351) (D22G5) Rabbit mAb



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Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 70-80	Source/Isotype: Rabbit IgG	UniProt ID: #P22736	Entrez-Gene Id: 3164
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage				i), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	/ml BSA, 50% glycero	ol and less than
Specificity/Sens	itivity	Phospho-Nur77 (Ser351) (D22G5) Rabbit mAb detects endogenous levels of Nur77 protein only when phosphorylated at Ser351.				
Species predicte based on 100% s homology		Mouse, Rat				
Source / Purifica	ation	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser351 of human Nur77 protein.				
Background		the steroid/thyroid/ref transactivation domai Expression of Nur77 is signals (1-6). It has be and apoptosis. Nur77 process of negative se leading to the regulati can induce the expres phosphorylated by mu subcellular localization regulate its associatio (12,13). Phosphorylation of Nu Ser354 of mouse Nur7	tinoid receptor sup n, a central DNA-bin rapidly induced by en proposed to hav has been extensive election and TCR-me ion of target genes sion of apoptotic ge ultiple kinases, whic n (4,10,11). Transloo n with BCl-2 and co ur77 by Akt or RSK o 77), a site within the	an immediate-early resp erfamily (1-3). Nur77 is o nding domain and a carl v a variety of stimuli, incl e many functions relate ely studied in T cells whe ediated apoptosis (5,6). N (7). As a possible mecha enes such as FasL and TI th may affect its transact tation of Nur77 from the ntrol the release of cytoo occurs at Ser351 (corresp Nur77 DNA binding do onal activity of Nur77 (10	omposed of an ami poxy-terminal liganc uding apoptotic, mi d to cell proliferation re it has been implic Nur77 binds to speci inism for regulating RAIL (8,9). Nur77 is h tivation activity as w - nucleus to the mito chrome c, thereby tr ponding to rat Nur7 main (14-16). Serine	no-terminal d-binding domain. togenic and stress n, differentiation cated in the ific DNA elements apoptosis, Nur77 neavily rell as its ochondria can iggering apoptosis 7 Ser350 and
Background Ref	erences	2. Chang, C. and Koko 3. Milbrandt, J. (1988) 4. Fahrner, T.J. et al. (1955) 5. Liu, Z.G. et al. (1994) 6. Woronicz, J.D. et al. 7. Wilson, T.E. et al. (1996) 9. Rajpal, A. et al. (1996) 9. Rajpal, A. et al. (2000) 10. Hirata, Y. et al. (1991) 11. Hazel, T.G. et al. (1991) 12. Li, H. et al. (2000) 13. Lin, B. et al. (2004)	ntis, J. (1988) Bioch Neuron 1, 183-188. 990) Mol. Cell. Biol.) Nature 367, 281-2 (1994) Nature 367, 991) Science 252, 12 Proc. Natl. Acad. S 3) EMBO J. 22, 6526 33) J. Biol. Chem. 26 991) Mol. Cell. Biol. 5cience 289, 1159-1 Cell 116, 527-540. 2001) Proc. Natl. Ac 06) Oncogene 25, 2 . (2006) Biochem. J.	84. 277-281. 296-1300. <i>ci. USA</i> 93, 5533-5538. -6536. 8, 24808-24812. 11, 3239-3246. 164. <i>rad. Sci. U S A</i> 98, 3690-3 974-2986. 393, 715-724.	nun. 155, 971-977.	

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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