3/23/24, 11:05 AM Revision 4

e at -20C	Nur77 (D63C5) XP <sup>®</sup> Rabbit mAb	HE .	Cell Signaling	
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IF-IC, FC-FP	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 70-80	Source/Isotype: Rabbit IgG	UniProt ID: #P22736	Entrez-Gene Id: 3164	
Product Usage Information		oplication			<b>Dil</b> i 1:1	ution	
		estern Blotting munoprecipitation			1:1		
		munofluorescence (	Immunocytochen	nistry)		00 - 1:200	
		ow Cytometry (Fixed	2		1:4		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and le 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				erol and less than	
Specificity / Sensitiv	vity Nu	Nur77 (D63C5) XP $^{ extsf{@}}$ Rabbit mAb detects endogenous levels of total human Nur77 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu535 of human Nur77.					
Background	the trar Exp sig apo nec reg exp kin. Tra	steroid/thyroid/retind nsactivation domain, pression of Nur77 is nals (1-6). It has bee optosis. Nur77 has b gative selection and ulation of target gen pression of apoptotic ases, which may affe nslocation of Nur77	bid receptor supe a central DNA-bi rapidly induced b n proposed to ha een extensively s TCR-mediated ap es (7). As a poss genes such as F ect its transactiva from the nucleus	is an immediate-early ru rfamily (1-3). Nur77 is c inding domain and a cau ya variety of stimuli, ind we many functions relat studied in T cells where boptosis (5,6). Nur77 bin ible mechanism for regu casL and TRAIL (8,9). N tion activity as well as it to the mitochondria car reby triggering apoptosis	composed of an amino rboxy-terminal ligand-t cluding apoptotic, mito red to cell proliferation, it has been implicated nds to specific DNA ele ulating apoptosis, Nur7 ur77 is heavily phosph s subcellular localization regulate its association	-terminal binding domain. Igenic and stress differentiation and in the process of ements leading to the 77 can induce the horylated by multiple on (4,10,11).	
Background Refere	2. C 3. M 4. F 5. L 6. V 7. V 8. V 9. F 10. F 11. F 12. L	Chang, C. and Kokor Ailbrandt, J. (1988) A Fahrner, T.J. et al. (19 iu, Z.G. et al. (1994) Voronicz, J.D. et al. (19 Vilson, T.E. et al. (19	ntis, J. (1988) Bio Jeuron 1, 183-18 990) Mol. Cell. Bi Nature 367, 281 (1994) Nature 36 91) Science 252 Proc. Natl. Acad B) EMBO J. 22, 6 ) J. Biol. Chem. 2 91) Mol. Cell. Bio ience 289, 1159-	ol. 10, 6454-6459. 284. 7, 277-281. , 1296-1300. . Sci. USA 93, 5533-553 526-6536. 268, 24808-24812. l. 11, 3239-3246. .1164.	ommun. 155, 971-977		
Species Reactivity	Spe	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., w	estern blot).	
Western Blot Buffer		ORTANT: For wester 6 Tween® 20 at 4°C		membrane with diluted ing, overnight.	primary antibody in 5 <sup>0</sup>	% w/v BSA, 1X TBS,	
Applications Key		<b>WB:</b> Western Blotting <b>IP:</b> Immunoprecipitation <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry) <b>FC-FP:</b> Flow Cytometry (Fixed/Permeabilized)					

3/23/24, 11:05 AM Cross-Reactivity Key	<ul> <li>Nur77 (D63C5) XP® Rabbit mAb (#3960) Datasheet Without Images Cell Signaling Technology</li> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>
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