e at -20C	Bok (D7V2N) Rabbit mAb		Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
75		Support:	877-678-TECH (8324)	
#86875	3.	Web: Trask Lane   Danvers   Ma	info@cellsignal.com cellsignal.com ssachusetts   01923   USA	

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

Applications: WB	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 22	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UMX3	Entrez-Gene Id: 666
Product Usage Information	•	oplication estern Blotting			Dilution 1:1000	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensiti	vity Bol	k (D7V2N) Rabbit mA	Ab recognizes en	dogenous levels of total	Bok protein.	
Source / Purificatio		noclonal antibody is   idues surrounding Va		nunizing animals with a s k protein.	synthetic peptide corre	esponding to
Background	dor of c The me "BH and apo by l and sys fam Like ant in r exp hur apo ove apo end	nains (BH) that regul cytochrome c (1-3). F e family can be separ mbers include Bcl-2, 13 only" proteins Bad d death-suppressing I optotic and anti-apopt binding to and antago d antagonize the pro- tem likely exists, tiss hily members can acc e other family members i-apoptotic family me eproductive tissues so oression of Bok in a n nan tumors, suggesti optotic proteins Bax a ert effects phenotype optosis in response to doplasmic-reticulum-a	ate apoptosis thr four BH domains rated into three g Bcl-xL, Mcl-1, A I, Bik, Bid, Puma Bcl-2 family men totic proteins cor onizing death-pro survival proteins ue specificity, tra count for distinct ers Bok was iden mbers (6,7). Alth such as ovary, ter- number of adult a ing a tumor supp and Bak, it appea (9). However, ac o endoplasmic re associated degra	evolutionarily conserver ough control of mitocho have been identified (Bi roups based upon funct L and Bcl-w; pro-apoptor Bim, Bmf, Noxa and Hi bers has led to a rheosi throls cell fate (4). Thus, pmoting members. In ge leading to increased ap nscriptional and post-tra physiological roles. tified based on sequence ough Bok was originally stis and uterus (6), subs nd development tissues ressor activity (8). While rs to be functionally dist lditional studies have sh ticulum stress (10,11). T dation (ERAD) pathway osis by these agents (12	ndrial membrane perm H1-4) that mediate pro- tion and sequence hor tic proteins include Ba- k. Interactions between tat model in which the pro-survival members neral, the "BH3-only n optosis (5). While som anslational regulation of the homology and intera- described to be prede- equent studies have fi (7). The <i>Bok</i> gene is Bok is structurally sir inct. Loss of Bok in mi own that Bok plays a "he stability of Bok is r (11). Bok expression	neability and release otein interactions. nology: pro-survival x, Bak and Bok; and en death-promoting ratio of pro- exert their behavior nembers" can bind to ne redundancy of this of many of these action with select ominantly expressed ound selective frequently mutated in nilar to the pro- ice did not have an distinct role in egulated by the
Background Refere	2. A 3. S 4. K 5. E 6. H 7. II 8. E 9. K 10. C	Sharpe, J.C. et al. (20 Korsmeyer, S.J. et al. Bouillet, P. and Strass Isu, S.Y. et al. (1997) nohara, N. et al. (199 Beroukhim, R. et al. (2012) Ce	artinou, J.C. (200 004) Biochim Bio (1993) Semin C ser, A. (2002) J C ) Proc Natl Acad 08) J Biol Chem 2 2010) Nature 46 2010) Nature 46 2010) Nature 19 015) Proc Natl Ac	0) Exp Cell Res 256, 50 ohys Acta 1644, 107-13 ancer Biol 4, 327-32. cell Sci 115, 1567-74. Sci U S A 94, 12401-6. 273, 8705-10. 3, 899-905. 9, 915-25. cad Sci U S A 112, 7201		

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

3/23/24, 1:35 PM Western Blot Buffer	Bok (D7V2N) Rabbit mAb (#86875) Datasheet Without Images Cell Signaling Technology 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	WB: Western Blotting			
Cross-Reactivity Key	<ul> <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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