BOK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BOK, Polyclonal Antibody
Full Product Name	BOK, NT (BOK, BCL2L9, Bcl-2-related ovarian killer protein, Bcl-2-like protein 9) (MaxLight 750)
Product Gene Name	anti-BOK antibody
Product Synonym Names	BOK; BCL2L9; Bcl-2-related ovarian killer protein; Bcl-2-like protein 9
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	23,280 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (242498146..242513553). Location: 2q37.3
OMIM	605404
3D Structure	ModBase 3D Structure for Q9UMX3
Immunogen	BOK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human BOK.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-BOK antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-BOK antibody	Western Blot (WB), FLISA
Application Notes for anti-BOK antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-BOK antibody	The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero-or homodimers and act as anti-and pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein contains all four BCL-2 like domains (BH1, 2, 3 and 4) and is a pro-apoptotic BCL-2 protein identified in the ovary.
Product References and Citations for anti-BOK antibody	Stein, J.L., et al. Neuroimage 53(3):1160-1174(2010). Ray, J.E., et al. Cell Death Differ. 17(5):846-859(2010). Zhang, H., et al. Int. J. Oncol. 34(4):1135-1138(2009). Rodriguez, J.M., et al. J. Biol. Chem. 281(32):22729-22735(2006). Bartholomeusz, G., et al. Mol. Carcinog. 45(2):73-83(2006).

Other Notes	Small volumes of anti-BOK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BOK purchase	MBS6278734 is an antibody targeting BOK. Also known as BOK, NT (BOK, BCL2L9, Bcl-2-related ovarian killer protein, Bcl-2-like protein 9) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BOK. It may not necessarily be applicable to this product.

NCBI GI #	14210524
NCBI GeneID	666
NCBI Accession #	NP_115904.1
UniProt Primary Accession #	Q9UMX3
UniProt Related Accession #	Q9UMX3
GenBank Nucleotide #	NM_032515.4
NCBI Official Full Name	bcl-2-related ovarian killer protein
NCBI Official Synonym Full Names	BCL2-related ovarian killer
NCBI Official Symbol	BOK
NCBI Official Synonym Symbols	BOKL; BCL2L9
UniProt Protein Name	Bcl-2-related ovarian killer protein
UniProt Synonym Protein Names	Bcl-2-like protein 9
Protein Family	Bcl-2-related ovarian killer protein
UniProt Gene Name	BOK
UniProt Synonym Gene Names	BCL2L9; hBOK; Bcl2-L-9
UniProt Entry Name	BOK_HUMAN
NCBI Protein Information	bcl-2-related ovarian killer protein; hBOK; bcl2-L-9; bcl-2-like protein 9
NCBI Summary for BOK	The protein encoded by this gene belongs to the BCL2 family, members of which form homo- or heterodimers, and act as anti- or proapoptotic regulators that are involved in a wide variety of cellular processes. Studies in rat show that this protein has restricted expression in reproductive tissues, interacts strongly with some antiapoptotic BCL2 proteins, not at all with proapoptotic BCL2 proteins, and induces apoptosis in transfected cells. Thus, this protein represents a proapoptotic member of the BCL2 family. [provided by RefSeq, Sep 2011]
UniProt Comments for BOK	BOK: May play a role in apoptosis. Belongs to the Bcl-2 family. Chromosomal Location of Human Ortholog: 2q37.3 Cellular Component: Golgi membrane; endoplasmic reticulum membrane; mitochondrial outer membrane; mitochondrion; mitochondrial membrane; cytoplasm; integral to membrane; nucleus Molecular Function: BH domain binding; protein binding; protein homodimerization activity; protein heterodimerization activity Biological Process: caspase activation; cell proliferation; neuron apoptosis; DNA damage response, signal transduction resulting in induction of apoptosis; apoptosis; male gonad development; oligodendrocyte differentiation; brain development
Research Articles on BOK	**1.** The results suggest important roles for Bok and Bcl-X(L) in human ovarian development, follicle maturation and apoptosis.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/bok/6278734