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Datasheet for 600-401-Z81

BOK Antibody

Overview

Description:	Anti-BOK (RABBIT) Antibody - 600-401-Z81
Item No.:	600-401-Z81
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells. Disruption of this process has been implicated in a variety of diseases such as cancer. The Bcl-2 family of proteins is comprised of critical regulators of apoptosis that can be divided into two classes: those that inhibit apoptosis and those that promote cell death. BOK, a pro-apoptotic Bcl-2 family member, was initially identified in the ovary, and was found to interact with other Bcl-2 family members such as Mcl-1 and Bfl-1. BOK expression is high during early placental development, suggesting that it may also play a role in regulating trophoblast cell proliferation.
Synonyms:	BOK Antibody, BOKL, BCL2L9, Bcl-2-related ovarian killer protein, Bcl-2-like protein 9, hBOK
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BOK
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-BOK antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human BOK.

Purity/Specificity:	Anti-BOK Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of BOK are known to exist; this antibody will not detect the smallest isoform. BOK antibody is predicted to not cross-react with other Bcl-2 protein family members
Relevant Links:	• UniProtKB - Q9UMX3 • GeneID - 666 • NCBI - AAH06203

Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-BOK Antibody has been tested for use in ELISA and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 23 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	5 µg/mL

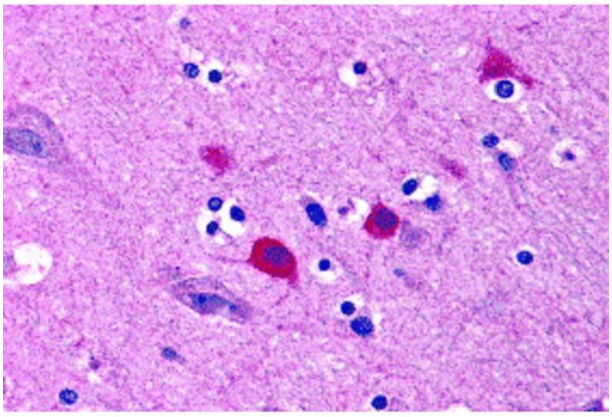
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of BOK antibody. Tissue: human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: BOK antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BOK is located in the endoplasmic reticulum, golgi apparatus, and cell membrane. Staining: BOK is stained with toluidine blue.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.