abcam

Product datasheet

Anti-Bid antibody ab2388

6 References 1 Image

Overview

Product name Anti-Bid antibody

Description Rabbit polyclonal to Bid

Host species Rabbit

Specificity This antibody detects full length (22 kDa) Bid.

Tested applications Suitable for: WB

Species reactivity Reacts with: Human

Immunogen Synthetic peptide corresponding to Human Bid. Surrounding amino acid 37 of Human Bid.

General notes This product is manufactured by BioVision, an Abcam company and was previously called 3172

Bid Antibody.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets

your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be

found below, along with publications, customer reviews and Q&As

Properties

Form Liquid

Storage instructions Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

Storage buffer pH: 7.20

Preservative: 0.01% Thimerosal (merthiolate)

Constituents: PBS, 30% Glycerol (glycerin, glycerine), 0.5% BSA

Purity Protein A purified

Clonality Polyclonal

Isotype IgG

Applications

1

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab2388 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes	
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 22 kDa.	

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Function The major proteolytic product p15 BID allows the release of cytochrome c (By similarity). Isoform 1, isoform 2 and isoform 4 induce ICE-like proteases and apoptosis. Isoform 3 does not induce

apoptosis. Counters the protective effect of Bcl-2.

Tissue specificity Isoform 2 and isoform 3 are expressed in spleen, bone marrow, cerebral and cerebellar cortex.

Isoform 2 is expressed in spleen, pancreas and placenta (at protein level). Isoform 3 is expressed in lung, pancreas and spleen (at protein level). Isoform 4 is expressed in lung and pancreas (at

protein level).

Domain Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and

for their interaction with anti-apoptotic members of the Bcl-2 family.

Post-translational modifications

TNF-alpha induces a caspase-mediated cleavage of p22 BID into a major p15 and minor p13 $\,$

and p11 products.

Phosphorylated upon DNA damage, probably by ATM or ATR.

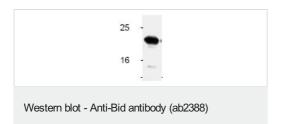
p15 BID is ubiquitinated by ITCH; ubiquitination results in proteasome-dependent degradation.

Cellular localization

Cytoplasm; Cytoplasm. Mitochondrion membrane. When uncleaved, it is predominantly cytoplasmic; Mitochondrion membrane. A significant proportion of isoform 2 localizes to mitochondria, it may be cleaved constitutively; Mitochondrion membrane. Associated with the mitochondrial membrane and Mitochondrion membrane. Translocates to mitochondria as an

integral membrane protein.

Images



Western blot analysis of Bid in Jurkat cells treated with anti-Fas for 6 hours. Western blot analysis of Bid in Jurkat cells treated with anti-Fas for 6 hours.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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