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Bid Rabbit pAb

Catalog # AP100111

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P70444
Other Accession	P70444
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21952
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse Bid
Epitope Specificity	21-120/195
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Forms heterodimers either with the pro-apoptotic protein BAX or the anti-apoptotic protein Bcl-2.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Bid, a BH3 domain containing proapoptotic Bcl2 family member, is localized in the cytosolic fraction of cells as an inactive precursor. Its active form is generated upon proteolytic cleavage by caspase 8 in the Fas signaling pathway. Cleaved Bid translocates to mitochondria and releases its potent proapoptotic activity, which in turn induces cytochrome c release and mitochondrial damage. The cytochrome c releasing activity of Bid was antagonized by Bcl2. Mutation in the SH3 domain can diminish the cytochrome c releasing activity. In animal model studies, Bid deficient mice are found resistant to the lethal effects of death factor signals relayed through Fas.

Additional Information

Gene ID	12122
Other Names	FP497; 2700049M22Rik; BID_HUMAN; BID; p22 BID (BID); BID_MOUSE; BID_RAT; BH3 interacting domain death agonist
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Bid
Function	Induces caspases and apoptosis. Counters the protective effect of BCL2.
Cellular Location	Cytoplasm. Mitochondrion membrane. Mitochondrion outer membrane {ECO:0000250|UniProtKB:P55957}. Note=When uncleaved, it is predominantly cytoplasmic. [BH3-interacting domain death agonist p13]: Mitochondrion membrane. Note=Associated with the mitochondrial membrane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.