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mouse BID Antibody (S61)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1307d

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P70444
Other Accession	NP_031570
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB16438
Calculated MW	21952
Antigen Region	39-68

Additional Information

Gene ID	12122
Other Names	BH3-interacting domain death agonist, p22 BID, BID, BH3-interacting domain death agonist p15, p15 BID, BH3-interacting domain death agonist p13, p13 BID, BH3-interacting domain death agonist p11, p11 BID, Bid
Target/Specificity	This mouse BID antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 39-68 amino acids from mouse BID.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	mouse BID Antibody (S61) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

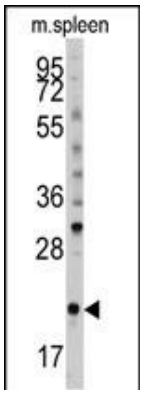
Background

Bid is a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. Bid is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release.

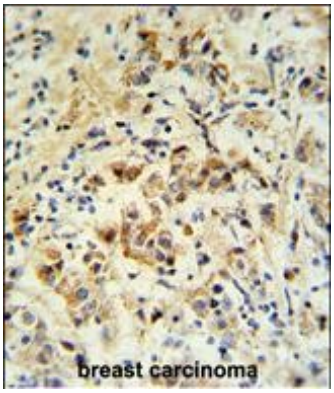
References

Ziporen,L., J. Immunol. 182 (1), 515-521 (2009)
Kaufmann,T., Immunity 30 (1), 56-66 (2009)
Mandal,M., Proc. Natl. Acad. Sci. U.S.A. 105 (52), 20840-20845 (2008)

Images

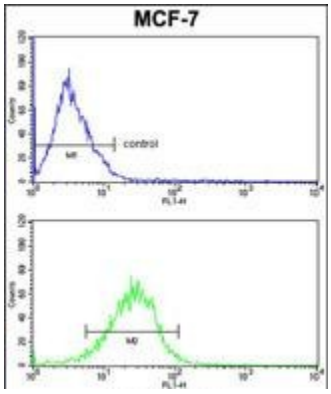


Western blot analysis of anti-mouse BID Antibody (S61) (Cat.#AP1307d) in mouse spleen tissue lysates (35ug/lane). BID (arrow) was detected using the purified Pab .



mouse BID Antibody (S61)(Cat.#AP1307d) IHC analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the mouse BID Antibody (S61) for immunohistochemistry. Clinical relevance has not been evaluated.

mouse BID Antibody (S61) (Cat.#AP1307d) FC analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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