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Datasheet for ABIN3042321
anti-BID antibody (AA 1-195)

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Overview

Quantity:	100 µg
Target:	BID
Binding Specificity:	AA 1-195
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BID antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for BH3-interacting domain death agonist(BID) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	E.coli-derived human Bid recombinant protein (Position: M1-D195). Human Bid shares 64% and 61% amino acid (aa) sequences identity with mouse and rat Bid, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for BH3-interacting domain death agonist(BID) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: BH3 interacting domain death agonist Protein Name: BH3-interacting domain death agonist

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: BID

Alternative Name: BID ([BID Products](#))

Background: BID (BH3-Interacting Domain Death Agonist), is a pro-apoptotic member of the Bcl-2 protein family. The BCL2 family of proteins consists of both antagonists and agonists that regulate apoptosis and compete through dimerization. By fluorescence in situ hybridization, Wang et al. (1998) mapped the human BID gene to 22q11. Luo et al. (1998) reported the purification of a cytosolic protein that induces cytochrome c release from mitochondria in response to caspase-8, the apical caspase activated by cell surface death receptors such as FAS and TNF.

Synonyms: Apoptotic death agonist antibody|Apoptotic death agonist antibody|Apoptotic death agonist BID antibody|BH3 interacting domain death agonist antibody|BH3 interacting domain death agonist p11 antibody|BH3 interacting domain death agonist p13 antibody|BH3 interacting domain death agonist p15 antibody|BH3-interacting domain death agonist p11 antibody|BID antibody|BID isoform ES(1b) antibody|BID isoform L(2) antibody|BID isoform Si6 antibody|BID_HUMAN antibody|Desmocollin type 4 antibody|FP497 antibody|Human BID coding sequence antibody|MGC15319 antibody|MGC42355 antibody|p11 BID antibody|p13 BID antibody|p15 BID antibody|p22 BID antibody

Gene ID: 637

UniProt: [P55957](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for Bid is approximately 1 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human
Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

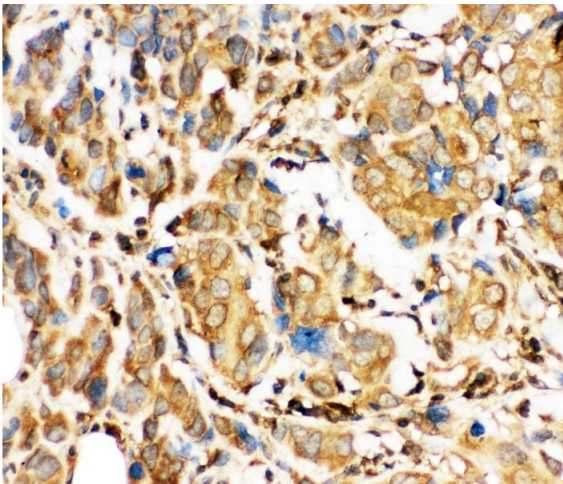
Product cited in:	Bi, Zeng, Zhao, Wei, Yu, Wang, Yu, Cao, Shan, Wei: "miR-181a Induces Macrophage Polarized to M2 Phenotype and Promotes M2 Macrophage-mediated Tumor Cell Metastasis by Targeting KLF6 and C/EBPα." in: Molecular therapy. Nucleic acids , Vol. 5, Issue 9, pp. e368, (2016) (PubMed).
	Wang, Gong, Chen, Xiong, Zhou, Huang, Kong: "NLRP3 inflammasome sequential changes in Staphylococcus aureus-induced mouse model of acute rhinosinusitis." in: International journal of molecular sciences , Vol. 15, Issue 9, pp. 15806-20, (2015) (PubMed).
	Li, Chen, Zhang, Song, Mu: "Gastrodin inhibits neuroinflammation in rotenone-induced Parkinson's disease model rats." in: Neural regeneration research , Vol. 7, Issue 5, pp. 325-31, (2015) (PubMed).

Yu, Chen, Wang, Kuang, Liu, Zhang, Du: "Neuroprotective effect of kaempferol glycosides against brain injury and neuroinflammation by inhibiting the activation of NF- κ B and STAT3 in transient focal stroke." in: **PLoS ONE**, Vol. 8, Issue 2, pp. e55839, (2013) ([PubMed](#)).

Yao, Peng, Peng, Tan, Wu, Wu, Chen, Li, Li, Zhu: "Effects of extract of *Buddleja officinalis* on partial inflammation of lacrimal gland in castrated rabbits with dry eye." in: **International journal of ophthalmology**, Vol. 3, Issue 2, pp. 114-9, (2012) ([PubMed](#)).

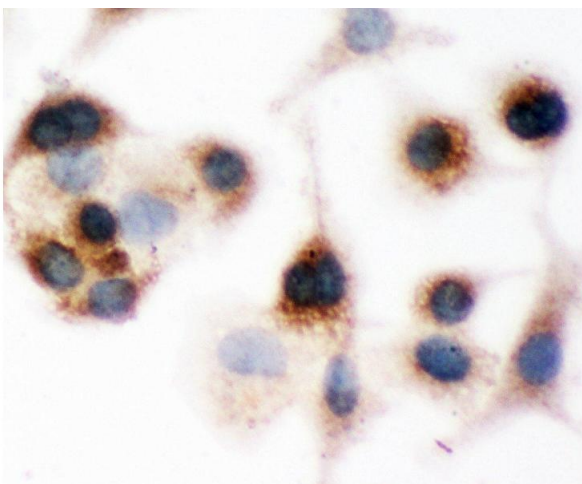
There are more publications referencing this product on: [Product page](#)

Images



Immunohistochemistry

Image 1. Anti-Bid Picoband antibody, IHC(P): Human Mammary Cancer Tissue



Immunohistochemistry

Image 2. Anti-Bid Picoband antibody, ICC: A549 Cell



Western Blotting

Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3042321.