Product Datasheet

BID Antibody
NB100-56107

Unit Size: 0.05 ml

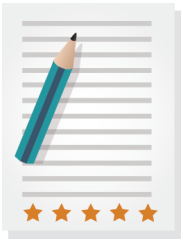
Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56107

Updated 11/18/2020 v.20.1



NB100-56107

BID Antibody

Product Information

Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera

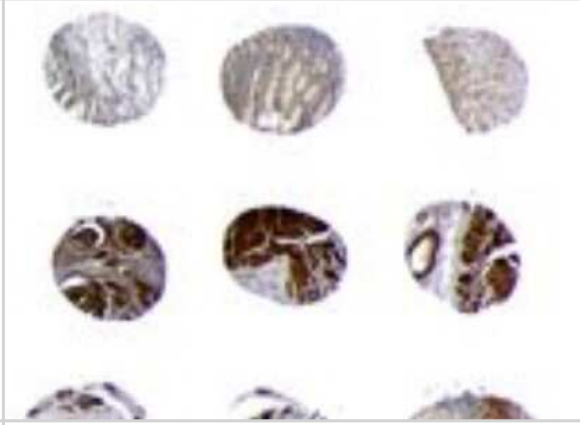
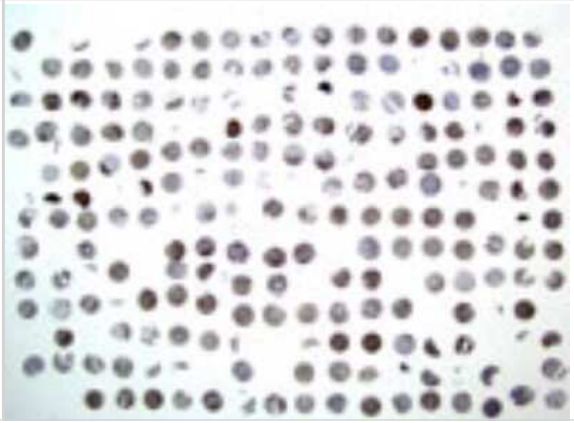
Product Description

Host	Rabbit
Gene ID	637
Gene Symbol	BID
Species	Human, Mouse, Rat, Canine
Reactivity Notes	Dog, Gerbil, Human, Mouse, Rat Not yet tested in other species.
Specificity/Sensitivity	Full-length Bid is known to undergo cleavage/truncation (reviewed in Yin, 2006). Bid was initially found to be cleaved and activated by capspase-8 following death receptor activation. The term "Bid" was first used to described the caspase-8 cleaved/truncated C-terminal Bid. Bid can be also cleaved by other proteases such as Granzyme B, calpains and cathepsin. The C-terminal portion is considered to be the active Bid moiety. This active form can translocate from the cytosol to the mitochondria. Therefore, the appearance of Bid in the mitochondria is considered to be an indication of active Bid. However, it should also be noted that Bid has been shown to translocate to the mitochondria without cleavage in some model systems. The proteolytic cleavage of Bid usually occurs in the unstructured loop region between the alpha 2 and alpha 3 helices, which is between amino acids (aa) 41 and 79 of Bid. For example, the caspase-8/3 cleavage site is at 60 (human) and 59 (mouse). It should be noted that after cleavage, the smaller N-terminal portion of Bid is not necessarily separated from the larger C-terminal portion. The exact size of the C-terminal cleavage products depends on the Bid cleavage sites; generally 11-15 kDa C-truncated cleavage forms are generated. Shorter C-terminal Bid cleavage products may result from protease cleavage that involves both caspases and other proteases. Full length Bid is quite stable, but cleaved/truncated forms may have a short half-life (less than 1.5 h) and degrade rapidly. Therefore, a time course may be useful when detecting Bid cleavage fragments.
Immunogen	A recombinant protein fragment corresponding to amino acids 1-55 of mouse Bid was used as immunogen.

Product Application Details

Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000 - 1:2000, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin 1:1000 - 1:5000, Immunohistochemistry-Frozen Assay Dependent
Application Notes	This antibody is useful for immunoprecipitation, Western Blot, Immunohistochemistry-Paraffin and Immunohistochemistry-Frozen .

Images

Immunohistochemistry-Paraffin: Bid Antibody [NB100-56107] - Six representative cores from a human gastric carcinoma formalin-fixed, paraffin-embedded tissue microarray stained for Bid expression using this antibody at 1:2000. Hematoxylin-eosin counterstain.	
Immunohistochemistry-Paraffin: Bid Antibody [NB100-56107] - Formalin-fixed, paraffin-embedded human gastric carcinoma tissue array stained for Bid expression using this antibody at 1:2000. Hematoxylin-eosin counterstain. Variable Bid expression is seen between patient samples.	

Publications

Krajewska M, Rosenthal RE, Mikolajczyk J et al. Early processing of Bid and caspase-6, -8, -10, -14 in the canine brain during cardiac arrest and resuscitation. Exp Neurol. 2004-10-01 [PMID: 15380478] (IHC-P, WB, Mouse, Canine, Rat)

Details:
Antibodies cited: 1. Caspase-9 (Active/Cleaved), IMG-5705: WB: Fig 1A (recombinant human caspase-9), Fig 4A (recombinant human caspase-9, rat brain), Fig 4B-F (isolated mitochondria from rat liver or heart). Fig 5 (PC12 cells) IHC (P): Fig 2d-k (rat kidne

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-56107

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications