ARG20055
anti-Bid antibody

Package: 50 µg, 25 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Bid
Tested Reactivity	Hu
Tested Application	IHC, IP, WB
Specificity	The antibody detects 22 kDa Human Bid.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Bid
Species	Human
Immunogen	Synthetic peptide surrounding aa. 37 of Human Bid.
Conjugation	Un-conjugated
Alternate Names	p22 BID; BID; p15 BID; p11 BID; BH3-interacting domain death agonist; p13 BID; FP497

Application Instructions

Application table

Application	Dilution
IHC	20-40 µg/ml
IP	5-10 µg/ml
WB	0.5-4 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

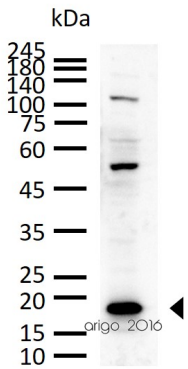
Form	Liquid
Purification	Affinity Purified Antibody
Buffer	PBS (pH 7.2), 30% Glycerol, 0.5% BSA and 0.01% Thimerosal
Preservative	0.01% Thimerosal
Stabilizer	30% Glycerol, 0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 637 Human Swiss-port # P55957 Human
Background	Bid, a BH3 domain-containing proapoptotic Bcl-2 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 Bcl-2. Mutation in the SH3 domain can diminish the cytochrome c releasing activity. In the animal model studies, Bid-deficient mice are found resistant to the lethal effects of death factor signals relayed through Fas.
Highlight	Related Antibody Duos and Panels: ARG30269 Apoptosis Marker Antibody Duo (Bcl2, Bid) Related products: Bid antibodies; Bid Duos / Panels; Anti-Rabbit IgG secondary antibodies;
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody; Apoptosis Marker antibody; Pro-apoptotic Bcl2 protein antibody
Calculated Mw	22 kDa
PTM	TNF-alpha induces a caspase-mediated cleavage of p22 BID into a major p15 and minor p13 and p11 products. p15 BID is ubiquitinated by ITCH; ubiquitination results in proteasome-dependent degradation.

Images



ARG20055 anti-Bid antibody WB image

Western blot: 30 µg of Jurkat cell lysate stained with ARG20055 anti-Bid antibody at 1:500 dilution.