



BID Rabbit mAb

Catalog No	YP-rAb-17485
Isotype	IgG
Reactivity	Human
Applications	WB,IHC,IF,IP,ELISA
Gene Name	BID
Protein Name	BH3-interacting domain death agonist
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:1000-1:4000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	BID;BH3-interacting domain death agonist;BID ; BH3-interacting domain death agonist ; p22 BID ; BID
Observed Band	22kD
Calculated Molecular Weight	22kD
Cell Pathway	Cytoplasm . Mitochondrion membrane . Mitochondrion outer membrane . When uncleaved, it is predominantly cytoplasmic. . ; [BH3-interacting domain death agonist p15]: Mitochondrion membrane . Translocates to mitochondria as an integral membrane protein. . ; [BH3-interacting domain death agonist p13]: Mitochondrion membrane . Associated with the mitochondrial membrane. . ; [Isoform 1]: Cytoplasm . ; [Isoform 3]: Cytoplasm . ; [Isoform 2]: Mitochondrion membrane . A significant proportion of isoform 2 localizes to mitochondria, it may be cleaved constitutively. .
Tissue Specificity	[Isoform 2]: Expressed in spleen, pancreas and placenta (at protein level). ; [Isoform 3]: Expressed in lung, pancreas and spleen (at protein level). ; [Isoform 4]: Expressed in lung and pancreas (at protein level).
Function	Domain:Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.,Function:The major proteolytic product p15 BID allows the release of cytochrome c (By similarity). Isoform 1, isoform 2 and isoform 4 induce ICE-like proteases and apoptosis. Isoform 3 does not induce apoptosis. Counters the



protective effect of Bcl-2.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,PTM:TNF-alpha induces a caspase-mediated cleavage of p22 BID into a major p15 and minor p13 and p11 products.,subcellular location:A significant proportion of isoform 2 localizes to mitochondria, it may be cleaved constitutively.,subcellular location:Associated with the mitochondrial membrane.,subcellular location:Translocates to mitochondria as an integral membrane protein.,subcellular location:When uncleaved, it is predominantly cytoplasmic.,subunit:Forms heterodimers either with the pro-apoptotic protein BAX or the anti-apoptotic protein Bcl-2.,tissue specificity:Isoforms 2 and 3 are expressed in spleen, bone marrow, cerebral and cerebellar cortex. Isoform 2 is expressed in spleen, pancreas and placenta (at protein level). Isoform 3 is expressed in lung, pancreas and spleen (at protein level). Isoform 4 is expressed in lung and pancreas (at protein level).,

Background

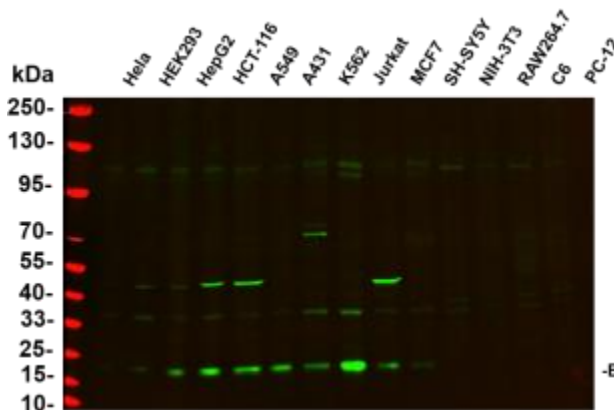
This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008],

matters needing attention

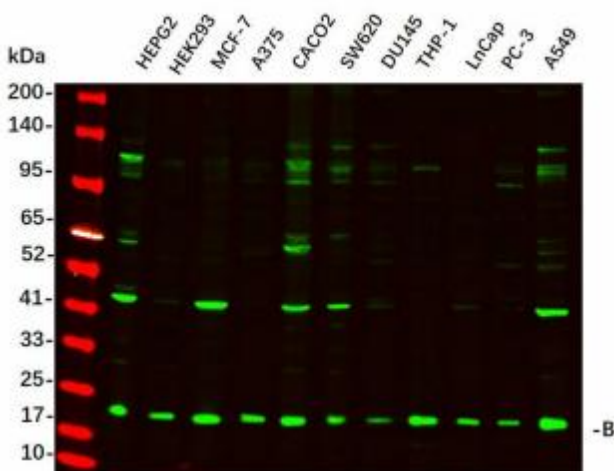
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

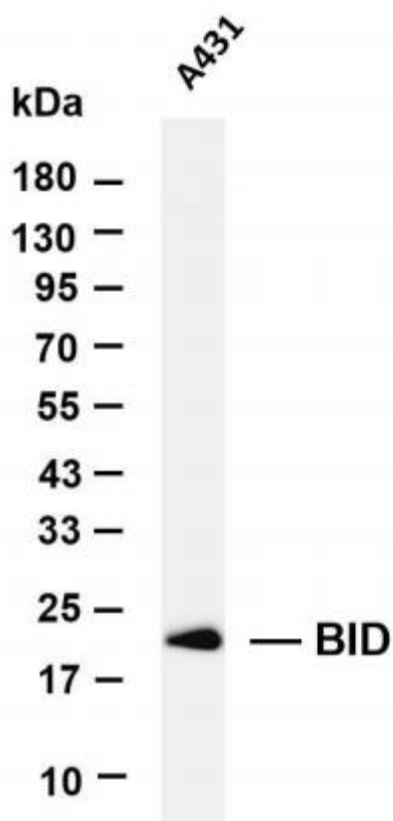


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:5000 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody

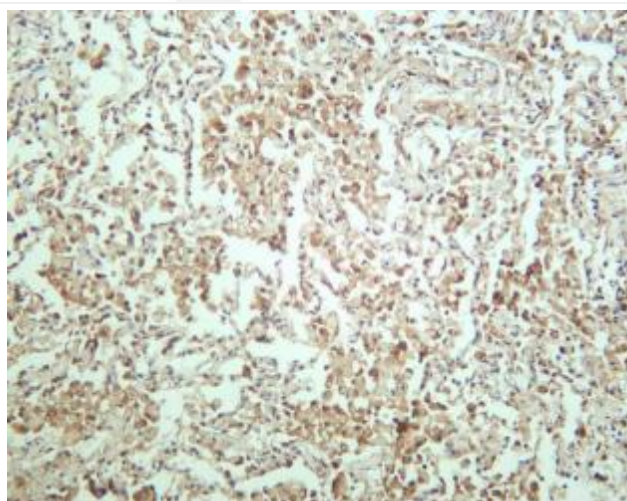


Western Blot analysis using various cell lysate, Proteins were separated by 4-20% SDS-PAGE, and the membrane was blotted with Bid Rabbit mAb diluted at 1:2000. Secondary :Dylight 800, Goat Anti Rabbit IgG





Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-BID antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: A431 Predicted band size: 22kDa Observed band size: 22kDa



Human lung was stained with anti-BID rabbit antibody

