Best Tools for immunology Research

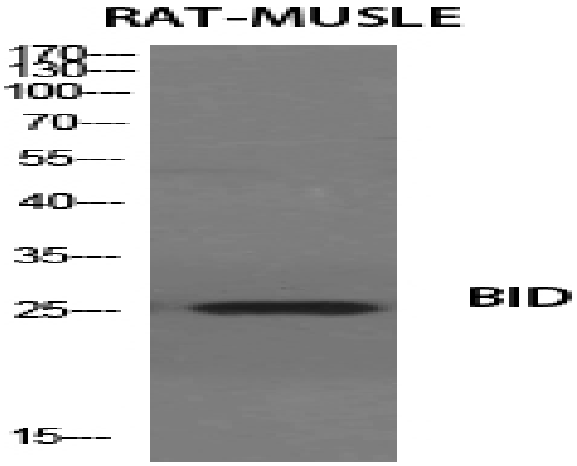
BID Polyclonal Antibody

Catalog No :	YT0488
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	BID
Fields :	>>Platinum drug resistance;>>Sphingolipid signaling pathway;>>p53 signaling pathway;>>Apoptosis;>>Apoptosis - multiple species;>>Necroptosis;>>Natural killer cell mediated cytotoxicity;>>Non-alcoholic fatty liver disease;>>Alzheimer disease;>>Amyotrophic lateral sclerosis;>>Pathways of neurodegeneration - multiple diseases;>>Tuberculosis;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Human cytomegalovirus infection;>>Influenza A;>>Kaposi sarcoma-associated herpesvirus infection;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Human immunodeficiency virus 1 infection;>>Pathways in cancer;>>Viral myocarditis;>>Lipid and atherosclerosis
Gene Name :	BID
Protein Name :	BH3-interacting domain death agonist
Human Gene Id :	637
Human Swiss Prot No :	P55957
Mouse Gene Id :	12122
Mouse Swiss Prot No :	P70444
Immunogen :	The antiserum was produced against synthesized peptide derived from human BID. AA range:44-93
Specificity :	BID Polyclonal Antibody detects endogenous levels of BID protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG

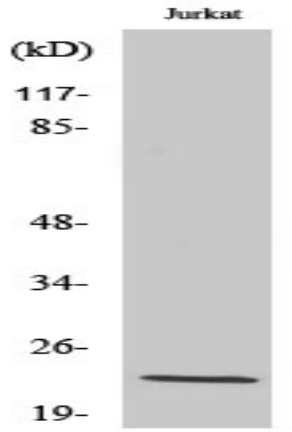
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	25kD
Cell Pathway :	p53;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;Natural killer cell mediated cytotoxicity;Alzheimer's disease;Amyotrophic lateral sclerosis (ALS);Pathways in cancer;Viral myocardit
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],
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
Subcellular Location :	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. .
Expression :	[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).

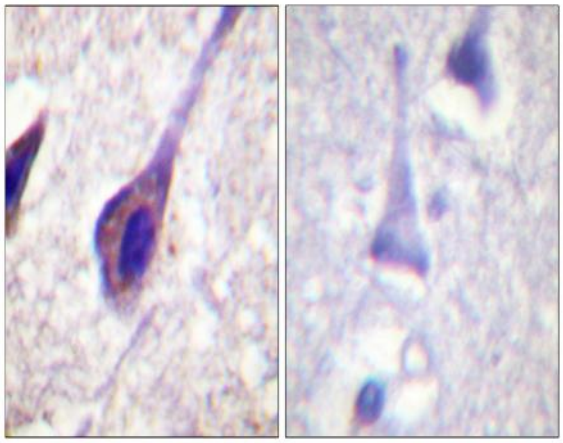
Products Images



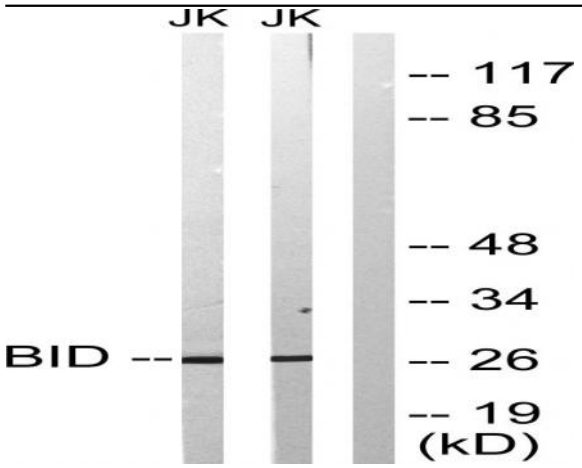
Western Blot analysis of various cells using BID Polyclonal Antibody diluted at 1:1000



Western Blot analysis of Jurkat cells using BID Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human brain, using BID Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells treated with H2O2 100uM 30', using BID Antibody. The lane on the right is blocked with the synthesized peptide.