

BID (Cleaved-Arg71) rabbit pAb

Catalog No :	YC0113
Reactivity :	Human;Mouse
Applications :	WB;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 :	BID (Cleaved-Arg71)
Human Gene Id :	637
Human Swiss Prot No :	P55957
Mouse Gene Id :	12122
Mouse Swiss Prot No :	P70444
Rat Gene Id :	64625
Rat Swiss Prot No :	Q9JLT6
Immunogen :	Synthesized peptide derived from human BID (Cleaved-Arg71)
Specificity :	This antibody detects endogenous levels of Human,Mouse BID (Cleaved-Arg71, protein was cleaved amino acid sequence between 71-72)

Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15 °C to -25 °C/1 year(Do not lower than -25 °C)
Observed Band :	8 22kD
Background :	<p>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).,</p>
Function :	<p>release of cytochrome c from mitochondria, protein targeting, protein targeting to mitochondrion, mitochondrial transport, intracellular protein transport, apoptosis, induction of apoptosis, mitochondrion organization, mitochondrial membrane organization, protein localization, cell death, induction of apoptosis by extracellular signals, activation of pro-apoptotic gene products, apoptotic mitochondrial changes, regulation of cell death, positive regulation of cell death, programmed cell death, induction of programmed cell death, protein transport, membrane organization, death,protein import, protein localization in organelle, cellular protein localization, regulation of apoptosis, positive regulation of apoptosis, regulation of programmed cell death, positive regulation of programmed cell death, establishment of protein localization, regulation of mitochondrial membrane permeability, int</p>

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).

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