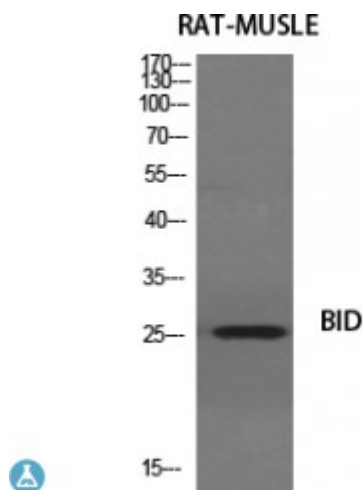


Anti-BID antibody



Description	Rabbit polyclonal to BID.
Model	STJ91853
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human BID around the non-phosphorylation site of S78.
Immunogen Region	20-100 aa
Gene ID	637
Gene Symbol	BID
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
Specificity	BID Polyclonal Antibody detects endogenous levels of BID protein.
Tissue Specificity	Isoform 2 and isoform 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).
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	BH3-interacting domain death agonist p22 BID BID BH3-interacting domain death agonist p15 BID BH3-interacting domain death agonist p13 p13

	BID BH3-interacting domain death agonist p11 p11 BID
Molecular Weight	25 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10500MIM:601997
Alternative Names	BH3-interacting domain death agonist p22 BID BID BH3-interacting domain death agonist p15 p15 BID BH3-interacting domain death agonist p13 p13 BID BH3-interacting domain death agonist p11 p11 BID
Function	The major proteolytic product p15 BID allows the release of cytochrome c . 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.
Sequence and Domain Family	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.
Cellular Localization	Cytoplasm Mitochondrion 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.
Post-translational Modifications	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.