



BID Monoclonal Antibody

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| Catalog No | BYmab-00327 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB |
| Gene Name | BID |
| Protein Name | BH3-interacting domain death agonist |
| Immunogen | The antiserum was produced against synthesized peptide derived from human BID. AA range:44-93 |
| Specificity | BID Monoclonal Antibody detects endogenous levels of BID protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | BID; BH3-interacting domain death agonist; p22 BID; BID |
| Observed Band | 25kD |
| 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 |

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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

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],

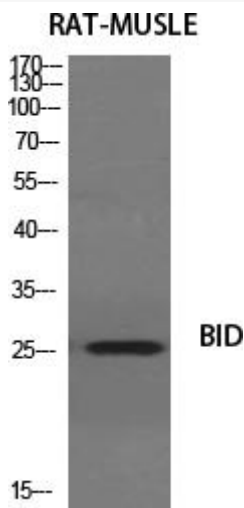
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images



Western Blot analysis of various cells using BID Monoclonal Antibody