

**BID rabbit pAb****Cat#: orb764644 (Manual)**

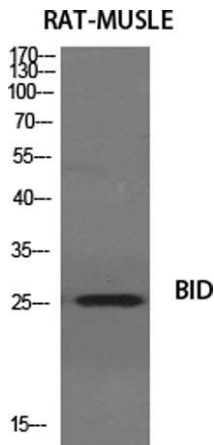
For research use only. Not intended for diagnostic use.

|                                 |  |
|---------------------------------|--|
| <b>Product Name</b>             | BID rabbit pAb   |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;IHC;IF;ELISA  |
| <b>Species Cross-Reactivity</b> | Human;Rat;Mouse;   |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human BID. AA range:44-93  |
| <b>Specificity</b>              | BID Polyclonal Antibody detects endogenous levels of BID protein.  |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | BH3-interacting domain death agonist   |
| <b>Gene Name</b>                | BID  |
| <b>Cellular localization</b>    | 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. . |

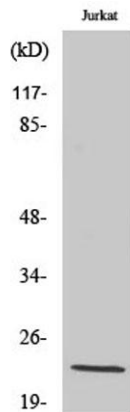
|                                |   |
|--------------------------------|---|
| <b>Purification</b>            | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Clonality</b>               | Polyclonal  |
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Observed band</b>           | 25kD  |
| <b>Human Gene ID</b>           | 637   |
| <b>Human Swiss-Prot Number</b> | P55957  |
| <b>Alternative Names</b>       | BID; BH3-interacting domain death agonist; p22 BID; BID   |

**Background**

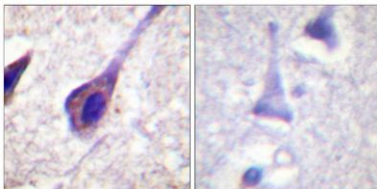
This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal 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],



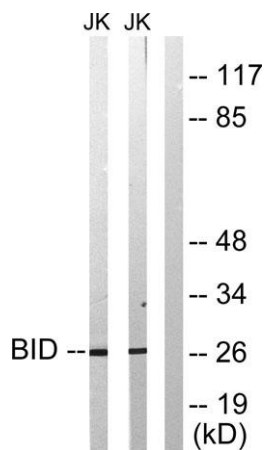
Western Blot analysis of various cells using BID Polyclonal Antibody diluted at 1:1000



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 H<sub>2</sub>O<sub>2</sub> 100uM 30', using BID Antibody. The lane on the right is blocked with the synthesized peptide.