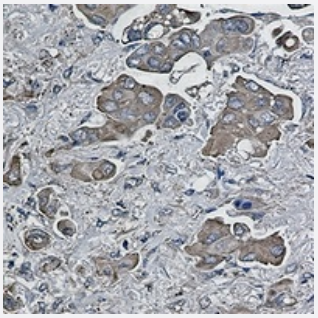
RecomAb™ Sm Size

# BID recombinant monoclonal antibody

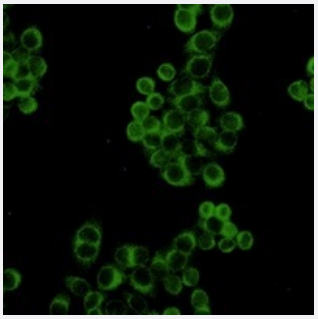
Catalog # RAB09247 Size 50 uL

## Applications



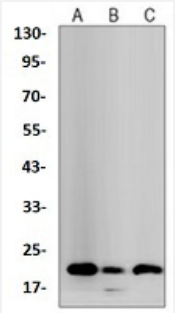
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human liver cancer formalin fixed paraffin embedded tissue section using BID recombinant monoclonal antibody (Cat # RAB09247). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.72). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



### Immunofluorescence

Immunofluorescent analysis of HeLa cells with BID recombinant monoclonal antibody (Cat # RAB09247). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.




### Western Blot (Cell lysate)

Western blot analysis of Hela (A), A549 (B), HL60 (C) whole cell lysates with BID recombinant monoclonal antibody (Cat # RAB09247).

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## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human BID. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide of human BID. |
| **Theoretical MW (kDa)** | 22 |
| **Reactivity** | Human |
| **Specificity** | Recognizes endogenous levels of BID protein. |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Immunogen affinity chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | Immunocytochemistry (1:50-1:100)<br>Immunofluorescence (1:50-1:100)<br>Immunohistochemistry (1:50-1:100)<br>Immunoprecipitation (1:10-1:50)<br>Western Blot (1:500-1:1000) |
| **Storage Buffer** | In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA) |
| **Storage Instruction** | Store at 4°C short term.<br>Aliquot and store at -20°C long term.<br>Avoid freeze-thaw cycles. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

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- Western Blot (Cell lysate)

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## Gene Info — BID

| | |
|---|---|
| **Entrez GeneID** | 637 |
| **Protein Accession#** | P55957 |
| **Gene Name** | BID |
| **Gene Alias** | FP497, MGC15319, MGC42355 |
| **Gene Description** | BH3 interacting domain death agonist |
| **Omim ID** | 601997 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist B CL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediat or of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded prote in, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c releas e. Multiple alternatively spliced transcript variants have been found, but the full-length nature of so me variants has not been defined. [provided by RefSeq |
| **Other Designations** | BH3-interacting domain death agonist\|BID isoform ES(1b)\|BID isoform L(2)\|BID isoform Si6\|Hum an BID coding sequence\|OTTHUMP00000196197\|apoptic death agonist\|desmocollin type 4 |

## Pathway

- Amyotrophic lateral sclerosis (ALS)
- Apoptosis
- Natural killer cell mediated cytotoxicity

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- p53 signaling pathway
- Pathways in cancer

## Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Clubfoot
- Colorectal Neoplasms
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Kidney Failure
- Lymphatic Metastasis
- Neoplasm Metastasis
- Stomach Neoplasms
- Tobacco Use Disorder

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