

## BID (PT0386R) PT™ Rabbit mAb

CatalogNo: YM8036 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human

#### Applications

- WB,IHC,IF,IP,ELISA

#### MW

- 22kD (Calculated)  
22kD (Observed)

#### Isotype

- IgG,Kappa

### Recommended Dilution Ratios

IHC 1:1000-1:4000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

### Basic Information

**Clonality** Monoclonal

**Clone Number** PT0386R

### Immunogen Information

**Specificity** Endogenous

## Target Information

**Gene name** BID  
**Protein Name** BH3-interacting domain death agonist

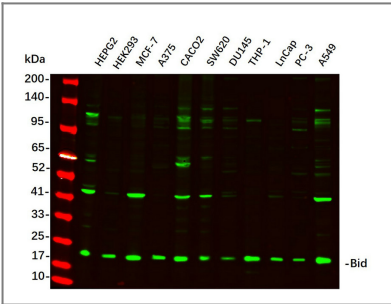
Organism	Gene ID	UniProt ID
Human	<a href="#">637</a> ;	<a href="#">P55957</a> ;

**Cellular Localization** 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. .

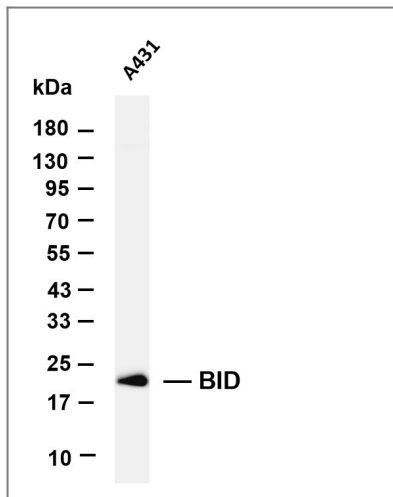
**Tissue specificity** [Isoform 2]: Expressed in spleen, pancreas and placenta (at protein level). .; [Isoform 3]: Expressed in lung, pancreas and spleen (at protein level). .; [Isoform 4]: Expressed in lung and pancreas (at protein level).

**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 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). .

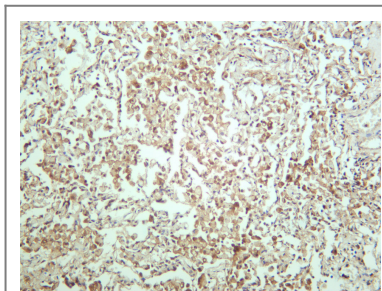
## Validation Data



Western Blot analysis using various cell lysate, Proteins were separated by 4-20% SDS-PAGE, and the membrane was blotted with Bid Rabbit mAb diluted at 1:2000. Secondary :Dylight 800, Goat Anti Rabbit IgG(RS23920 1:10000)



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-BID antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: A431 Predicted band size: 22kDa Observed band size: 22kDa



Human lung was stained with anti-BID rabbit antibody

## Contact information

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Please scan the QR code to access additional product information:  
**BID (PT0386R) PT™**  
**Rabbit mAb**

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