

Bax Rabbit pAb

CatalogNo: YT0459

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 22kD (Observed)

Isotype

- IgG

Storage

Storage*

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

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human Bax. AA range:1-50

Specificity

Bax Polyclonal Antibody detects endogenous levels of Bax protein.

Target Information

Gene name	BAX		
Protein Name	Apoptosis regulator BAX		
	Organism	Gene ID	UniProt ID
	Human	581 ;	Q07812 ;
	Mouse	12028 ;	Q07813 ;
	Rat		Q63690 ;
Cellular Localization	[Isoform Alpha]: Mitochondrion outer membrane ; Single-pass membrane protein . Cytoplasm . Colocalizes with 14-3-3 proteins in the cytoplasm. Under stress conditions , undergoes a conformation change that causes release from JNK-phosphorylated 14-3-3 proteins and translocation to the mitochondrion membrane. Upon Sendai virus infection , recruited to the mitochondrion through interaction with IRF3 (PubMed:25609812) . . ; [Isoform Beta]: Cytoplasm.; [Isoform Gamma]: Cytoplasm.; [Isoform Delta]: Cytoplasm .		
Tissue specificity	Expressed in a wide variety of tissues. Isoform Psi is found in glial tumors. Isoform Alpha is expressed in spleen , breast , ovary , testis , colon and brain , and at low levels in skin and lung. Isoform Sigma is expressed in spleen , breast , ovary , testis , lung , colon , brain and at low levels in skin. Isoform Alpha and isoform Sigma are expressed in pro-myelocytic leukemia , histiocytic lymphoma , Burkitt's lymphoma , T-cell lymphoma , lymphoblastic leukemia , breast adenocarcinoma , ovary adenocarcinoma , prostate carcinoma , prostate adenocarcinoma , lung carcinoma , epidermoid carcinoma , small cell lung carcinoma and colon adenocarcinoma cell lines.		
Function	Disease:Defects in BAX are found in some cell lines from hematopoietic malignancies as T-cell acute lymphoblastic leukemia , Burkitt lymphoma , and plasmacytoma. ,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:Accelerates programmed cell death by binding to , and antagonizing the apoptosis repressor BCL2 or its adenovirus homolog E1B 19k protein. Induces the release of cytochrome c , activation of CASP3 , and thereby apoptosis. ,similarity:Belongs to the Bcl-2 family. ,subcellular location:Colocalizes with 14-3-3 proteins in the cytoplasm. Under stress conditions , redistributes to the mitochondrion membrane through the release from JNK-phosphorylated 14-3-3 proteins. ,subunit:Homodimer. Forms heterodimers with BCL2 , E1B 19K protein , BCL2L1 isoform Bcl-X (L) , MCL1 and A1. Interacts with SH3GLB1 and HN. Interacts with SFN and YWHAZ; the interaction occurs in the cytoplasm. Under stress conditions , JNK-mediated phosphorylation of SFN and YWHAZ , releases BAX to mitochondria. Isoform Sigma interacts with BCL2A1 and BCL2L1 isoform Bcl-X (L) . ,tissue specificity:Expressed in a wide variety of tissues. Isoform Psi is found in glial tumors. Isoform Alpha is expressed in spleen , breast , ovary , testis , colon and brain , and at low levels in skin and lung. Isoform Sigma is expressed in spleen , breast , ovary , testis , lung , colon , brain and at low levels in skin. Isoform Alpha and isoform Sigma are expressed in pro-myelocytic leukemia , histiocytic lymphoma , Burkitt's lymphoma , T-cell lymphoma , lymphoblastic leukemia , breast adenocarcinoma , ovary adenocarcinoma , prostate carcinoma , prostate adenocarcinoma , lung carcinoma , epidermoid carcinoma , small cell lung carcinoma and colon adenocarcinoma cell lines. ,		

| Validation Data

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Bax Rabbit pAb

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