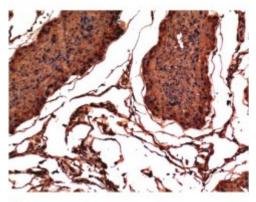


Anti-Bax antibody





Description Mouse monoclonal to Bax.

Model STJ97729

Host Mouse

Human, Mouse, Rat Reactivity

IHC, WB **Applications**

synthetic peptide derived from Bax **Immunogen**

30-110 aa **Immunogen Region**

Gene ID 581

Gene Symbol BAX

WB 1:1000-2000IHC 1:100-200 **Dilution range**

Bax Mouse Monoclonal Antibody (1C1) detects endogenous levels of BAX **Specificity**

Expressed in a wide variety of tissues. Isoform Psi is found in glial tumors. **Tissue Specificity**

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 c

Purification The antibody was affinity-purified from mouse ascites by affinity-

chromatography using specific immunogen.

1C1 **Clone ID**

Note For Research Use Only (RUO).

Protein Name Apoptosis regulator BAX Bcl-2-like protein 4 Bcl2-L-4

Clonality Monoclonal

Conjugation Unconjugated

Isotype IgG1

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

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:9590MIM:600040

Alternative Names Apoptosis regulator BAX Bcl-2-like protein 4 Bcl2-L-4

Function Accelerates programmed cell death by binding to, and antagonizing the

apoptosis repressor BCL2 or its adenovirus homolog E1B 19k protein. Under stress conditions, undergoes a conformation change that causes translocation to the mitochondrion membrane, leading to the release of cytochrome c that then triggers apoptosis. Promotes activation of CASP3, and thereby apoptosis.

Sequence and Domain Family 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.

Cellular Localization Isoform Alpha: Mitochondrion 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.. Isoform Beta: Cytoplasm.. Isoform Gamma: Cytoplasm.. Isoform

Delta: Cytoplasm

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