

BCLX monoclonal antibody

Catalog: MB67081

Host: Mouse

Reactivity: Human, Mouse, Rat

BackGround:

Potent inhibitor of cell death. Inhibits activation of caspases. Appears to regulate cell death by blocking the voltage-dependent anion channel (VDAC) by binding to it and preventing the release of the caspase activator, CYC1, from the mitochondrial membrane. Also acts as a regulator of G2 checkpoint and progression to cytokinesis during mitosis.

Isoform Bcl-X(L) also regulates presynaptic plasticity, including neurotransmitter release and recovery, number of axonal mitochondria as well as size and number of synaptic vesicle clusters. During synaptic stimulation, increases ATP availability from mitochondria through regulation of mitochondrial membrane ATP synthase F1F0 activity and regulates endocytic vesicle retrieval in hippocampal neurons through association with DMN1L and stimulation of its GTPase activity in synaptic vesicles. May attenuate inflammation impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release .

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 30 kDa

Swiss-Prot:

Q07817

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

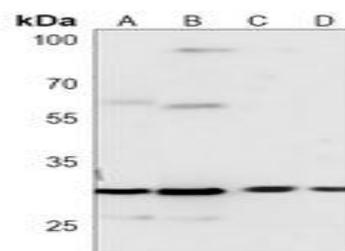
WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of BCLX protein.

DATA:

Western blot analysis of BCLX expression in HepG2 (A), MDAMB231 (B), NIH3T3 (C), PC12 (D) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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