

Anti-BCL-XL Antibody (1J99)

Product Details

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| Ig Type: | IgG1 |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 1J99 |
| Purification: | Protein G purified |

Applications

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| Verified Activity: | 1. Immunohistochemical of paraffin-embedded Human endometrium tissue using TMAH-00110 at dilution of 1:200 |
| | 2. Immunohistochemical of paraffin-embedded Human Colon cancer tissue using TMAH-00110 at dilution of 1:200 |
| | 3. Western Blot |
| | -All lanes: Mouse anti BCL2L1 Monoclonal antibody at 1µg/ml -Lane 1: HepG2 whole cell lysate -Secondary Goat polyclonal to Mouse IgG at 1/5000 dilution -Predicted band size: 26, 27, 19kd -Observed band size: 26KD |
| Application: | ELISA, WB, IHC |

Properties

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|----------------------|---------------------------------------------------------------------------|
| Purity: | >95% |
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | Recombinant Protein: Human Bcl-2-like Protein 1 Protein |
| Antigen Species: | Human |
| Gene ID: | 598 |
| Uniprot ID: | Q07817 |
| Synonyms: | BCLXS; BCL2L; BCL-XL/S; BCLXL; PPP1R52; BCL2-like 1; BCLX; bcl-xS; Bcl-X; bcl-xL |
| Biology Area: | Cell Biology |

Research 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,

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ATP availability from mitochondria through regulation of mitochondrial membrane ATP synthase F(1)F(0) 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. Isoform Bcl-X(S) promotes apoptosis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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