Recombinant Bcl-2-like protein 1 Antibody

Rabbit Monoclonal Antibody [Clone BCL2L1/13928R]

Catalog No	Format	Size
598-RBM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
598-RBM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
598-RBM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	BCL2L1/13928R
Immunogen	Recombinant fragment (around aa 3-14) of human Bcl-X protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	26.05kDa
Cellular Localization	Centrosome, Cytoplasm, Cytoplasmic vesicle, Cytoskeleton, Cytosol, Microtubule organizing center, Mitochondrion inner membrane, Mitochondrion matrix, Mitochondrion outer membrane, Nucleus membrane, Secretory vesicle, Synaptic vesicle membrane
Species Reactivity	Human
Positive Control	Bcl-X(S) is expressed at high levels in cells that undergo a high rate of turnover, such as developing lymphocytes

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Bcl-2-like protein 1 Antibody

Specificity & Comments

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 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 (PubMed:17418785)., Isoform Bcl-X(S) promotes apoptosis.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.