

BCLG Recombinant Mouse mAb

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Catalog # AP94572

Product Information

Application	WB, IHC-P, IHC-F, IF
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG/Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Isoform 1: Cytoplasm, cytosol. Note=Diffusely distributed throughout the cytosol. Isoform 2: Endomembrane system. Note=Predominantly localized to cytosolic organelles.
SIMILARITY	Belongs to the Bcl-2 family.
Post-translational modifications	Phosphorylated by MELK, leading to inhibit its pro-apoptotic function.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Bcl-G is a novel pro-apoptotic member of the Bcl-2 family. The human Bcl-G gene encodes two proteins through alternative mRNA splicing, Bcl-G(L) (long) and Bcl-G(S) (short) consisting of 327 and 252 amino acids in length, respectively. Bcl-G(L) mRNA is expressed widely in adult human tissues, whereas Bcl-G(S) mRNA was found only in testis. Overexpression of Bcl-G(L) or Bcl-G(S) in cells induced apoptosis although Bcl-G(S) was far more potent than Bcl-G(L).

Additional Information

Target/Specificity	Isoform 1 is widely expressed. Isoform 2 is testis-specific.
Dilution	WB=1:1000-5000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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