

Anti-BCL2 (pT69) Antibody

Rabbit polyclonal antibody to BCL2 (pT69)

Catalog # AP59485

Product Information

Application	WB, IHC
Primary Accession	P10415
Other Accession	P10417
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26266

Additional Information

Gene ID	596
Other Names	Apoptosis regulator Bcl-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BCL2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	BCL2
Function	Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells (PubMed: 1508712 , PubMed: 8183370). Regulates cell death by controlling the mitochondrial membrane permeability (PubMed: 11368354). Appears to function in a feedback loop system with caspases (PubMed: 11368354). Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1) (PubMed: 11368354). Also acts as an inhibitor of autophagy: interacts with BECN1 and AMBRA1 during non-starvation conditions and inhibits their autophagy function (PubMed: 18570871 , PubMed: 20889974 , PubMed: 21358617). May attenuate inflammation by impairing NLRP1- inflammasome activation, hence CASP1 activation and IL1B release (PubMed: 17418785).

Cellular Location

Mitochondrion outer membrane; Single-pass membrane protein. Nucleus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:P10417}

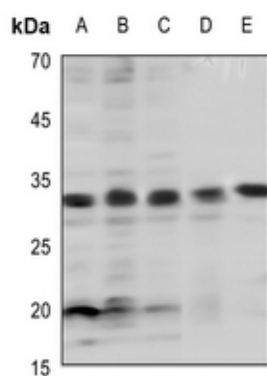
Tissue Location

Expressed in a variety of tissues.

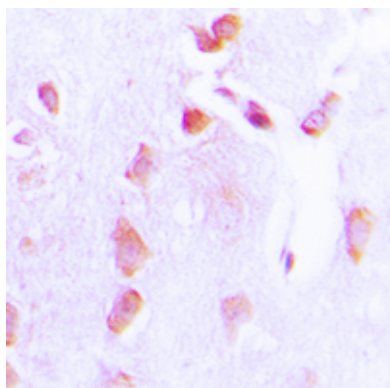
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BCL2. The exact sequence is proprietary.

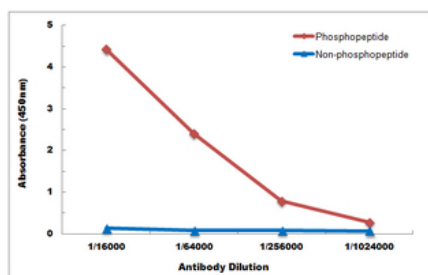
Images



Western blot analysis of BCL2 (pT69) expression in HEK293T (A), K562 (B), A549 (C), rat kidney (D), rat muscle (E) whole cell lysates.



Immunohistochemical analysis of BCL2 (pT69) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Direct ELISA antibody dose-response curve using Anti-BCL2 (pT69) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.