



[Go to Product page](#)

Datasheet for ABIN675129

## anti-BCL2L1 antibody (AA 81-200)

3 Images

7 Publications

### Overview

Quantity:	100 µL
Target:	BCL2L1
Binding Specificity:	AA 81-200
Reactivity:	Human, Mouse, Rat, Pig, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BCL2L1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human BCL2L1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig, Rat, Sheep
Predicted Reactivity:	Dog,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	BCL2L1
---------	--------

## Target Details

---

Alternative Name: BCL2L1 ([BCL2L1 Products](#))

---

Background: Synonyms: BCLX, BCL2L, BCLXL, BCLXS, Bcl-X, bcl-xL, bcl-xS, PPP1R52, BCL-XL/S, Bcl-2-like protein 1, Bcl2-L-1, Apoptosis regulator Bcl-X, BCL2L1

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 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. Isoform Bcl-X(S) promotes apoptosis.

---

Molecular Weight: 26kDa

---

Gene ID: 598

---

UniProt: [Q07817](#)

---

Pathways: [Apoptosis](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

---

## Application Details

---

Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
FCM 1:20-100  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

---

Restrictions: For Research Use only

---

## Handling

---

Format: Liquid

---

## Handling

---

Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

---

Product cited in:

Zhang, Zhao, Zhang, Hao, Yu, Min, Li, Ma, Chen, Yi, Tang, Meng, Liu, Wang, Shen, Zhang: "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can be inheritable." in: **Chemosphere**, Vol. 194, pp. 147-157, (2018) ([PubMed](#)).

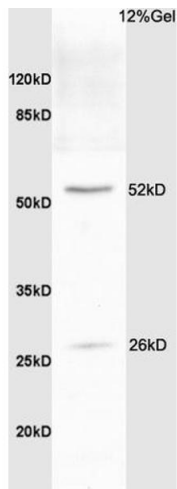
Abdel-Hamid, El-Azab, Moustafa: "Macrolide antibiotics differentially influence human HepG2 cytotoxicity and modulate intrinsic/extrinsic apoptotic pathways in rat hepatocellular carcinoma model." in: **Naunyn-Schmiedeberg's archives of pharmacology**, Vol. 390, Issue 4, pp. 379-395, (2017) ([PubMed](#)).

Wang, Zhao, Yu, Feng, Zhang, Kou, Chu, Cui, Li, Zhang, Shen, Min: "Regulation of steroid hormones and energy status with cysteamine and its effect on spermatogenesis." in: **Toxicology and applied pharmacology**, Vol. 313, pp. 149-158, (2016) ([PubMed](#)).

Zhao, Zhang, Liu, Zhang, Hao, Li, Chen, Shen, Tang, Min, Meng, Wang, Yi, Zhang: "Hydrogen Sulfide and/or Ammonia Reduces Spermatozoa Motility through AMPK/AKT Related Pathways." in: **Scientific reports**, Vol. 6, pp. 37884, (2016) ([PubMed](#)).

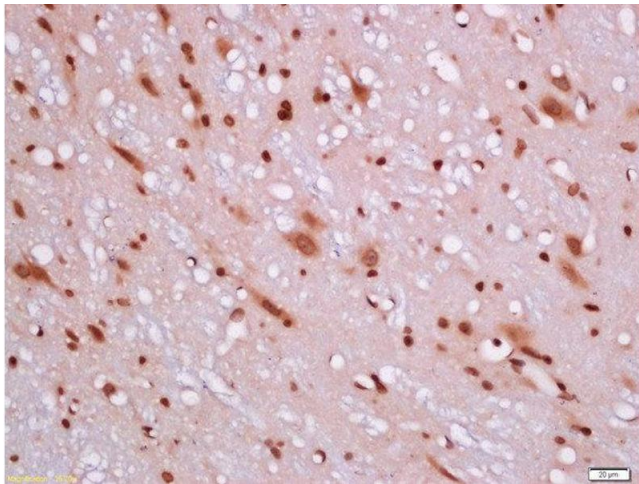
Zhu, Wang, Liang, Wang, Zhang, Li, Ying: "Regulation of cell transformation by Rb-controlled redox homeostasis." in: **PLoS ONE**, Vol. 9, Issue 7, pp. e102582, (2014) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



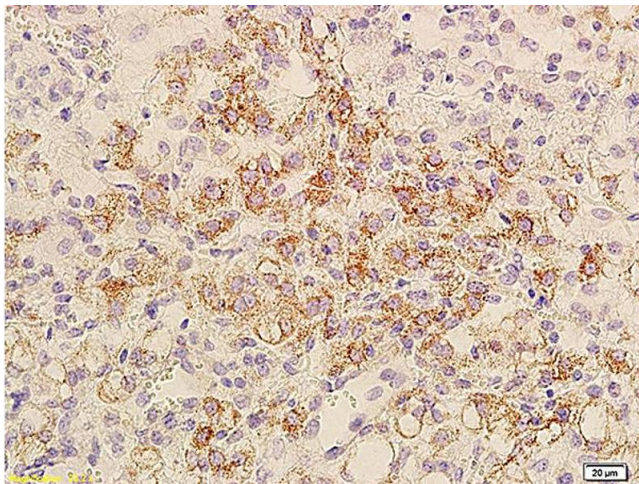
### SDS-PAGE

**Image 1.** Rat brain lysate probed with Anti Bcl-xL/BCL2L1/bcl-xs Polyclonal Antibody, Unconjugated (ABIN675129) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 26kD. Observed band size:26kD,52kD.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-BCL2L1 Polyclonal Antibody, Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining



### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin embedded mouse transplant lymphoma labeled with Anti-Bcl-xL/BCL2L1/bcl-xs, Unconjugated (ABIN675129) at 1:800, followed by conjugation to the secondary antibody and DAB staining.