



# Anti-BCL2L1 monoclonal antibody, clone CY007 (DCABH-10727)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Two alternatively spliced transcript variants, which encode distinct isoforms, have been reported. The longer isoform acts as an apoptotic inhibitor and the shorter form acts as an apoptotic activator.
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<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 1-50 of human BAX.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	CY007
<b>Purification</b>	Protein G purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
<b>Format</b>	Liquid
<b>Buffer</b>	In PBS (0.05% BSA, 0.05% sodium azide)
<b>Preservative</b>	0.05% Sodium Azide

<b>Storage</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">BCL2L1 BCL2-like 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	BCL2L1
<b>Synonyms</b>	BCL2L1; BCL2-like 1; bcl-2-like protein 1; Bcl X; bcl xL; bcl xS; BCL2L; BCLX; PPP1R52; protein phosphatase 1; regulatory subunit 52; apoptosis regulator Bcl-X; protein phosphatase 1, regulatory subunit 52; BCLXL; BCLXS; Bcl-X; bcl-xL; bcl-xS; BCL-XL/S; DKFZp781P2092;
<b>Entrez Gene ID</b>	<a href="#">598</a>
<b>Protein Refseq</b>	<a href="#">NP_001182</a>
<b>UniProt ID</b>	<a href="#">Q07817</a>
<b>Chromosome Location</b>	20q11.21
<b>Pathway</b>	Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; BH3-only proteins associate with and inactivate anti-apoptotic BCL-2 members, organism-specific biosystem;
<b>Function</b>	BH3 domain binding; identical protein binding; protein binding; protein heterodimerization activity; protein kinase binding;