



Rabbit Anti-Human BCL2L1 (Phospho-Thr47) polyclonal antibody (CABT-L3304)

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

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Human CK-1 gamma1/2/3 (Phospho-Tyr263) polyclonal antibody. This antibody detects endogenous levels of BCL-XL only when phosphorylated at Thr47.
Specificity	Target Modification: Phospho. Modification Sites: Human: T47; Mouse: T47; Rat: T47
Target	Human BCL-XL (Phospho-Thr47)
Immunogen	The antiserum was produced against synthesized peptide derived from human BCL-XL around the phosphorylation site of Thr47. Immunogen range: 13-62
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, IHC, IF, ELISA
Molecular Weight	26 kDa
Preparation	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Format	Liquid

Concentration	Lot specific
Size	100 µl
Buffer	Rabbit IgG in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl and 50% glycerol.
Preservative	0.02% Sodium Azide
Storage	Stable at -20°C for at least 1 year.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	BCL2L1;BCL2-like 1;BCLX;BCL2L;BCLXL;BCLXS;Bcl-X;bcl-xL;bcl-xS;PPP1R52;BCL-XL/S;bcl-2-like protein 1;apoptosis regulator Bcl-X;protein phosphatase 1, regulatory subunit 52;

GENE INFORMATION

Gene Name	BCL2L1 BCL2-like 1 [Homo sapiens (human)]
Official Symbol	BCL2L1
Synonyms	Apoptosis regulator Bcl-X, Bcl-2-like 1 protein, BCL2L, BCL2L1, BCLX, BCLXL, BCL2L
Entrez Gene ID	598
UniProt ID	Q07817