

Store at
-20C
#24780**Bcl-xL (54H6) Rabbit mAb (HRP Conjugate)**

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R Mk	Endogenous	30	Rabbit IgG	#Q07817	598

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

Storage

Supplied in 136 mM NaCl, 2.6 mM KCl, 12 mM sodium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Bcl-xL (54H6) Rabbit mAb (HRP Conjugate) detects endogenous levels of total Bcl-xL protein. The antibody does not cross-react with other Bcl-2 family members.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp61 of human Bcl-xL.

Description

This Cell Signaling Technology antibody is conjugated to the carbohydrate groups of horseradish peroxidase (HRP) via its amine groups. The HRP conjugated antibody is expected to exhibit the same species cross-reactivity as the unconjugated Bcl-xL (54H6) Rabbit mAb #2764.

Background

Bcl-xL prevents apoptosis through two different mechanisms: heterodimerization with an apoptotic protein inhibits its apoptotic effect (1,2) and formation of mitochondrial outer membrane pores help maintain a normal membrane state under stressful conditions (3). Bcl-xL is phosphorylated by JNK following treatment with microtubule-damaging agents, such as paclitaxel, vinblastine, and nocodazole (4,5).

Background References

1. Adams, J.M. and Cory, S. (1998) *Science* 281, 1322-6.
2. Minn, A.J. et al. (1999) *EMBO J* 18, 632-43.
3. Vander Heiden, M.G. et al. (2001) *J Biol Chem* 276, 19414-9.
4. Fan, M. et al. (2000) *J Biol Chem* 275, 29980-5.
5. Poruchynsky, M.S. et al. (1998) *Cancer Res* 58, 3331-8.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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KARPAS cell line source: Dr. Abraham Karpas at the University of Cambridge.

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