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Anti-Bcl-XL Rabbit mAb [44F36]

Catalog No.: A52020

Basic Information

Catalog No. (Cat.No.)	A52020
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Bcl-XL,Bcl-x,BCL2L1,BCL2L,BCLX,Bcl-2-like protein 1,Bcl2-L-1,Apoptosis regulator Bcl-X

Product Information

Target	Bcl-XL
Molecular Weight(Calculated)	26 kDa
Molecular Weight(Observed)	30 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	44F36
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Bcl-2-like protein 1
Gene Name	*BCL2L1*
Domain	NA
Background	Bcl-XL (Bcl-2-like protein 1) is a vital anti-apoptotic isoform of the Bcl-2 family encoded by the BCL2L1 gene with a molecular weight of approximately 26 kDa, acting as an essential pro-survival protein for cellular homeostasis. Mainly enriched on the outer mitochondrial membrane, Bcl-XL shares high functional similarity with Bcl-2, efficiently binding pro-apoptotic proteins including Bax, Bad and Bak to inhibit mitochondrial apoptotic pathway activation and block programmed cell death. It also participates in the regulation of cell cycle, oxidative stress and energy metabolism. Widely expressed in various tissues and abnormally upregulated in tumors, Bcl-XL is a key driver of tumor anti-apoptosis, proliferation, invasion and targeted drug resistance, exhibiting more prominent regulatory effects in solid tumors than Bcl-2.