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Anti-Bcl-2 (phospho Thr69) Rabbit pAb (A72014)

Catalog No.: A72014

Basic Information

Catalog No. (Cat.No.)	A72014
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	IHC,IF,ELISA
Synonyms	Bcl-2 (phospho Thr69),Bcl-2,BCL2A,Bcl-2 (p55)

Product Information

Target	Bcl-2 (phospho Thr69)
Molecular Weight(Calculated)	26 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Polyclonal
Clone No.	NA
RRID	NA
Storage buffer	50% Glycerol, 0.5% BSA and 0.02% 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
IHC	1:100-1:300
IF	1:200-1:1000
ELISA	1:20000

Target Information

Protein Name	Bcl-2 (phospho Thr69)
Gene Name	*BCL2*
Domain	human BCL-2,around phosphorylation site of Thr69, aa 46-95
Background	Bcl-2 (B-cell lymphoma-2) is a classic anti-apoptotic member of the Bcl-2 protein family encoded by the BCL2 gene, functioning as a central hub balancing cell survival and apoptosis. Predominantly localized on the outer mitochondrial membrane, endoplasmic reticulum and nuclear membrane, Bcl-2 binds and sequesters pro-apoptotic proteins such as Bax and Bad, inhibits mitochondrial pore formation and the release of apoptotic factors, and blocks the endogenous apoptotic pathway to sustain cell survival. Aberrant overexpression of Bcl-2 significantly enhances anti-apoptotic capacity, driving abnormal cell proliferation, drug resistance and malignant transformation. It serves as a critical biomarker for tumor progression, chemotherapy resistance and poor prognosis, as well as a well-established target for tumor targeted therapy.