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Anti-Bax Rabbit mAb [79C45]

Catalog No.: A52018

Basic Information

Catalog No. (Cat.No.)	A52018
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Bax,BAX,BCL2L4,Bax-alpha

Product Information

Target	Bax
Molecular Weight(Calculated)	21 kDa
Molecular Weight(Observed)	21 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	79C45
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	1:2000-1:5000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Bcl-2-associated X protein
Gene Name	*BAX*
Domain	NA
Background	Bax (Bcl-2-associated X protein) is a core pro-apoptotic member of the Bcl-2 family encoded by the BAX gene and serves as a crucial effector of the mitochondrial apoptosis pathway. Distributed mainly in the cytoplasm under physiological conditions, Bax undergoes conformational changes and translocates to the outer mitochondrial membrane upon apoptotic stimulation, forming membrane pores to trigger mitochondrial permeability transition and the release of cytochrome C and apoptotic factors, thereby initiating cascade apoptotic responses. Bax dynamically balances with anti-apoptotic Bcl-2 family proteins to maintain cellular apoptotic homeostasis. Downregulated expression or functional inhibition of Bax enables tumor cells to evade apoptosis and achieve unlimited proliferation, which is widely involved in tumors, inflammatory injury, aging and metabolic diseases.