

## Anti-Bax Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R010064

### Product Information

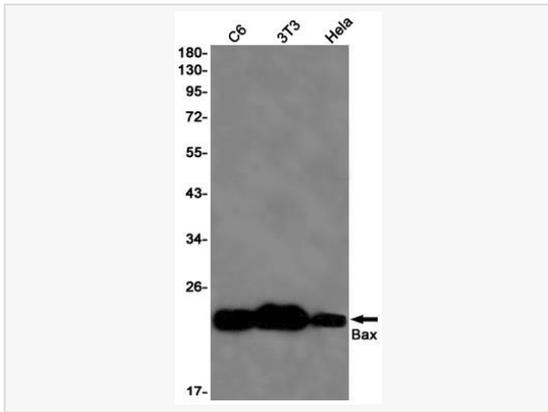
Application	IP, ELISA, WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	42M91M87
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Bax
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Bax antibody [42M91M87] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Apoptosis regulator BAX, BAX, Bcl-2-like protein 4, BCL2-associated X protein, Bcl-2-L-4, BCL2L4.
Calculated MW	Calculated MW: 21 kDa; Observed MW: 21 kDa
Uniprot ID	Q07812
Gene ID	581
Background	Bax is a key component for cellular induced apoptosis through mitochondrial stress. Upon apoptotic stimulation, Bax forms oligomers and translocates from the cytosol to the mitochondrial membrane. Through interactions with pore proteins on the mitochondrial membrane, Bax increases the membrane's permeability, which leads to the release of cytochrome c from mitochondria, activation of caspase-9 and initiation of the caspase activation pathway for apoptosis.

## Validation Images

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Western blot analysis of Bax in C6, 3T3, HeLa lysates using Bax antibody.