

Anti-Bax Mouse mAb

Purified Mouse Monoclonal Antibody

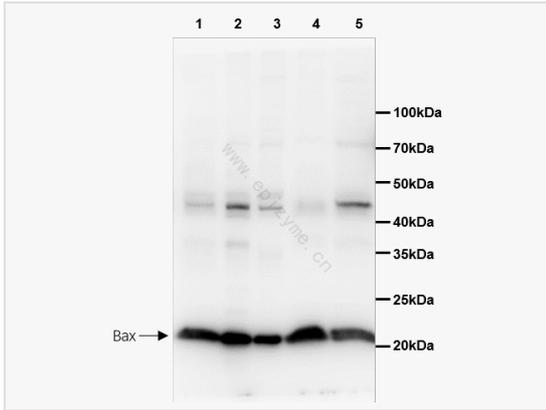
Catalog # M012868

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100
Host	Mouse
Clonality	Monoclonal
Clone No.	11M61M02
Isotype	IgG2a
Label	Unconjugated
Immunogen	Purified recombinant human Bax protein fragments expressed in E.coli
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
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 [11M61M02] 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, Bcl2-L-4, BCL2L4.
Calculated 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.



Western Blot - Anti-Bax Mouse mAb [11M61M02]

All lanes: M012868 at 1:1,000 dilution

Lane 1: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 3: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 4: SW620 (human colorectal cancer epithelial cell) whole cell lysates

Lane 5: MSC (human mesenchymal stem cell) whole cell lysates

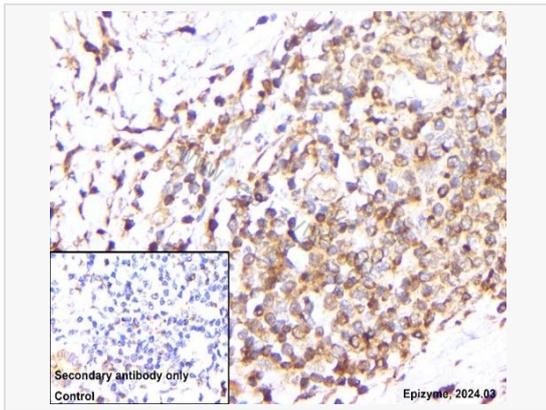
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 21 kDa

Observed band size: 21 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Bax Mouse mAb [11M61M02]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: M012868 at 1:200 dilution

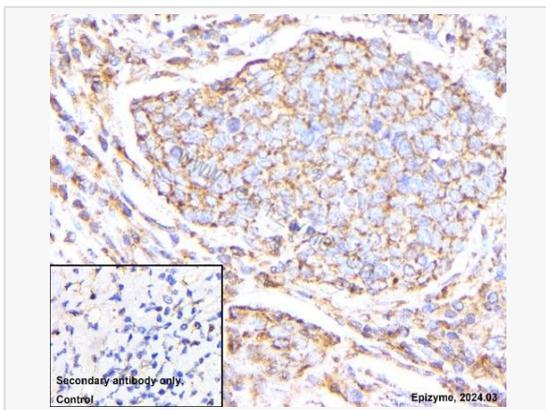
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Bax Mouse mAb [11M61M02]

Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: M012868 at 1:200 dilution

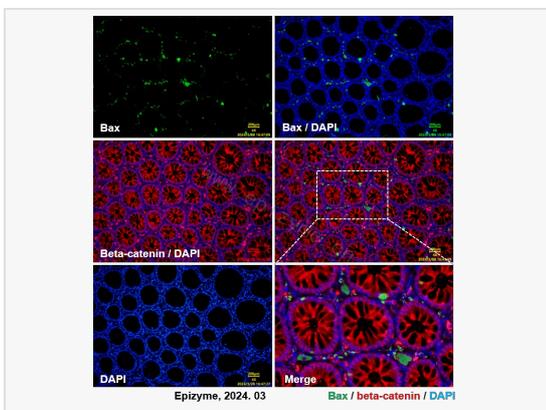
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Bax Mouse mAb [11M61M02]

Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: M012868 at 1:100 dilution and Anti-beta Catenin Rabbit mAb [41L48K19] (Cat. No. R010292) at 1:100 dilution

Secondary antibody: Goat anti-Mouse (488) at 1:1,000 dilution (shown in green) and Goat anti-Rabbit (546) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).