

Anti-BAX Antibody (3I323)

Product Details

Ig Type:	IgG1
Reactivity:	Human (predicted:Mouse,Rat)
Molecular Weight:	Theoretical: 21 kDa. Actual: 20 kDa.
Clone:	3I323
Purification:	Protein G purified

Applications

1. Tissue/cell: Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (Bax) monoclonal Antibody, Unconjugated (TMAB-00186) 1:100, 90 minutes at 37°C; followed by a CY3 conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.

2. Sample:

Verified Activity:

Lane 1: Human 293T cell lysates

Lane 2: Human HT-1080 cell lysates

Lane 3: Human Raji cell lysates

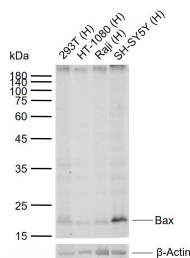
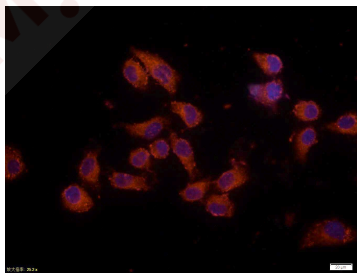
Lane 4: Human SH-SY5Y cell lysates

Primary: Anti-Bax (TMAB-00186) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 21 kDa

Observed band size: 20 kDa



Application: ICC/IF, WB

Recommended ICC/IF=1:50-200; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Bax

Antigen Species: Human

Gene ID: 581

Uniprot ID: Q07812

Synonyms: Bcl2-L-4;Apoptosis regulator BAX;BCL2L4;Bcl-2-like protein 4

Biology Area: Bcl 2 family, Metabolism, Bcl 2 family, Associated Proteins, Bcl 2 Family, Apoptosis marker and proteins ELISA kits, Apoptosis

Research Background

The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene. [provided by RefSeq, Jul 2008].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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