

## Anti-BAX Antibody (7Y415)

### Product Details

|                   |                             |
|-------------------|-----------------------------|
| Ig Type:          | IgG1                        |
| Reactivity:       | Human,Mouse (predicted:Rat) |
| Molecular Weight: | Theoretical: 21 kDa.        |
| Clone:            | 7Y415                       |
| Purification:     | Protein G purified          |

### Applications

1. Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Bax) Monoclonal Antibody, Unconjugated (TMAB-00185) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Mouse IgG antibody for 90 minutes, and DAPI for nucleus staining.

2. Sample:

Cerebrum (Mouse) Lysate at 40 µg

Primary: Anti-Bax (TMAB-00185) at 1/1000 dilution

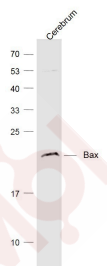
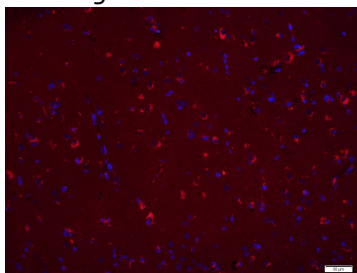
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

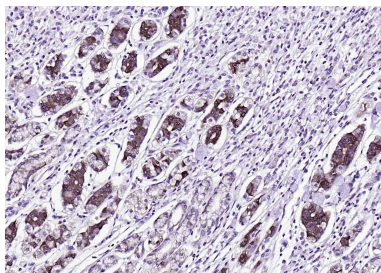
Predicted band size: 21 kDa

Observed band size: 21 kDa

3. Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Bax) Monoclonal Antibody, Unconjugated (TMAB-00185) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:1000-1500; IHC-P: 1:100-500; IHC-Fr: 1:200-500; IF: 1:200-500

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### Properties

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

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Bax

Antigen Species: Human

Gene ID: 581

Uniprot ID: Q07812

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

Biology Area: Bcl 2 family, Metabolism, Bcl 2 family, Associated Proteins, Bcl2 Family, Apoptosis marker and proteins ELISA kits, Apoptosis

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### 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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