

## Anti-BAX Polyclonal Antibody

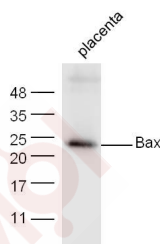
### Product Details

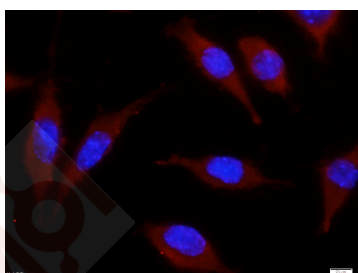
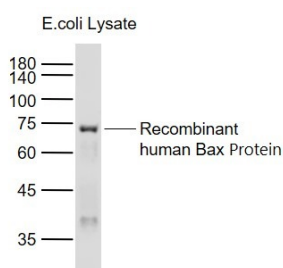
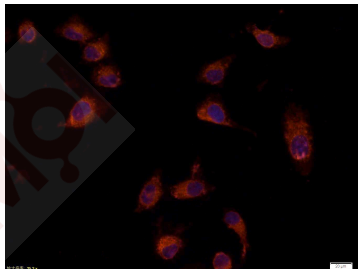
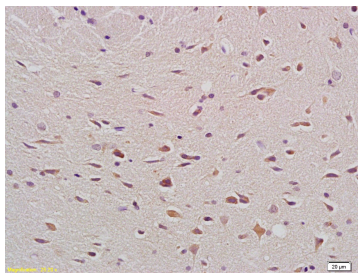
|                   |   |
|-------------------|---|
| Ig Type:          | IgG   |
| Reactivity:       | Human, Mouse, Rat (predicted: Dog, Pig, Cow, Sheep) |
| Molecular Weight: | Theoretical: 21 kDa.                                |
| Purification:     | Protein A purified                                  |

### Applications

- Sample: Placenta (Mouse) lysates, 30 µg;  
 Primary: Anti-Bax (TMAB-00187) at 1:300;  
 Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/10000 dilution  
 Predicted band size: 21 kDa  
 Observed band size: 23 kDa
- Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
 Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;  
 Incubation: Anti-Bax Polyclonal Antibody, Unconjugated (TMAB-00187) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
- 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) polyclonal Antibody, Unconjugated (TMAB-00187) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG-CY3 antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
- Sample:  
 Lane 1: Recombinant human Bax Protein (full length) Overexpression E.coli Lysate at 2 µg  
 Primary: Anti-Bax (TMAB-00187) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution  
 Predicted band size: 70 kDa  
 Observed band size: 73 kDa
- Tissue/cell: SH-SY5Y 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) polyclonal Antibody, Unconjugated (TMAB-00187) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG-CY3 antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.

Verified Activity:





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

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100; IF: 1:100-500

### 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;BCL2L4;Bcl-2-like protein 4;Apoptosis regulator BAX

Biology Area: Bcl 2 family, Metabolism, Bcl 2 family, Associated Proteins, Bcl2 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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