

Bax (PTR1159) mouse mAb

YM3619

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB, IF, ELISA

MW

- 21 kDa (Calculated)
- 21 kDa (Observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Western Blotting (WB)
Immunofluorescence (IF)
ELISA

Dilution

1:500-2000
1:100-500
1:1000-5000

Storage

Storage at	-15°C to -25°C/1 year(Do not lower than -25°C)
Storage buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality	Monoclonal
Clone Number	PTR1159
Immunogen	A synthetic peptide corresponding to the amino acid region 50-150 of the human Bax protein.
Specificity	This antibody detects endogenous levels of bax.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	BAX
Protein Name	Bax

Database Link	Organism	SwissProt	Gene ID
	Human	Q07812	581
	Mouse	Q07813	12028
	Rat	Q63690	

Background

The protein encoded by BAX (BCL2 associated X, apoptosis regulator) 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 BAX.

Contact information

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