

Bax Ab-4 (Clone 6A7)

Mouse Monoclonal Antibody

Cat. #MS-714-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)

Cat. #MS-714-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)

Cat. #MS-714-B0, -B1, or -B (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Biotin-labeled Ab with BSA and Azide)

Cat. #PP-714 (1.0ml at 200µg/ml) (Blocking peptide with BSA and Azide)

Description: Bcl-2, Bax, and Bcl-X are members of a family of proteins that regulate apoptosis. In contrast to Bcl-2 α and Bcl-X_L, overexpression of bax protein accelerates the programmed cell death (apoptosis).

Comments: Ab-4 is excellent for detecting conformational changes in Bax protein.¹

Mol. Wt. of Antigen: 21kDa

Epitope: aa 12-24

Species Reactivity: Human, Mouse and Rat. Others-not tested.

Clone Designation: 6A7

Ig Isotype: IgG₁

Immunogen: A Synthetic peptide, aa 12-24 (Cys-GPTSSEQIMKTGA), of human Bax protein. This amino acid sequence is shared by human, mouse and rat bax protein.

Applications and Suggested Dilutions:

- Immunofluorescence
- Western Blotting (Not optimum)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: PC12 or HeLa cells.

Cellular Localization: Cytoplasmic and cell membrane

Supplied As:

200µg/ml antibody purified from the ascites fluid by Protein G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide. Also available without BSA and azide at 1mg/ml.

Storage and Stability: Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody

WITHOUT sodium azide is stable for 36 months when stored at below 0°C

Key References:

1. Hsu YT, *et. al.* Journal of Biological Chemistry, 1997, 272(21):13829-34.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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