

Datasheet for ABIN6940472  
**anti-BAX antibody (AA 3-16)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	BAX
Binding Specificity:	AA 3-16
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BAX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

## Product Details

Immunogen:	A synthetic peptide, aa 3-16 (Cys-GSGEQPRGGGPTSS) of human bax protein.
Clone:	2D2
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 21 kDa, identified as the Bax protein. This MAbs is highly specific to Bax and shows no cross-reaction with Bcl-2 or Bcl-X protein. Bcl-2 blocks cell death following a variety of stimuli. Bax has extensive amino acid homology with Bcl-2 and it homodimerizes and forms heterodimers with Bcl-2. Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line, and Bax also counters the death repressor activity of Bcl-2.
No Cross-Reactivity:	Mouse (Murine), Rat (Rattus)

## Product Details

Purification: Purified by Protein A/G

## Target Details

Target:	BAX
Alternative Name:	BAX ( <a href="#">BAX Products</a> )
Molecular Weight:	21kDa
Gene ID:	581
UniProt:	<a href="#">Q07812</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">PI3K-Akt Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Unfolded Protein Response</a>

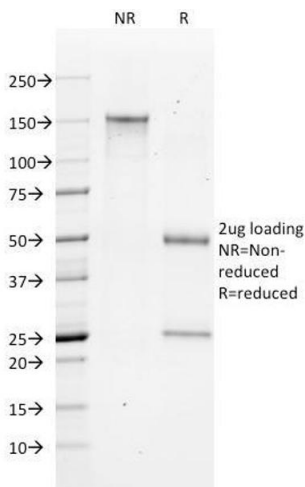
## Application Details

Application Notes:	<p>Positive Control: Jurkat, K562, HL-60 or HeLa cells. Reed-Sternberg cells in Hodgkin's lymphoma.</p> <p>Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 1 mM EDTA buffer, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.</p>
Restrictions:	For Research Use only

## Handling

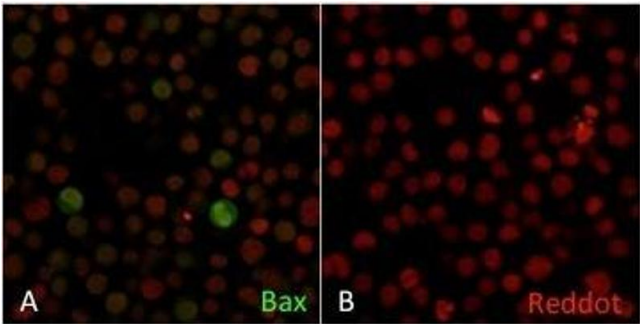
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



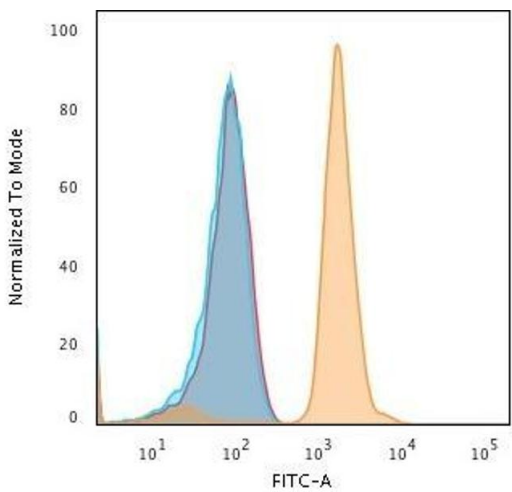
SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified Bax Mouse Monoclonal Antibody (2D2). Confirmation of Purity and Integrity of Antibody.



Immunofluorescence

**Image 2.** Confocal Immunofluorescence of Human Jurkat cells A. Bax Mouse Monoclonal Antibody (Clone 2D2) B. Goat anti-Mouse CF488. labeled with CF488 (Green); Reddot is used to label the nuclei.



Flow Cytometry

**Image 3.** Flow Cytometric Analysis of human Jurkat cells using Bax Mouse Monoclonal Antibody (2D2) followed by Goat anti-Mouse IgG-CF488 (Orange); cells alone (Blue); Isotype Control (Red).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940472.