

Bax Antibody [clone 2D2] (V2005)

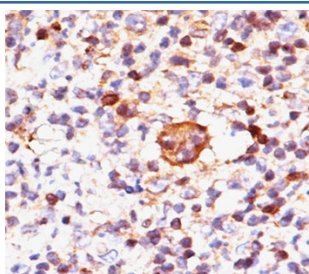
Catalog No.	Formulation	Size
V2005-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2005-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2005SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2005IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



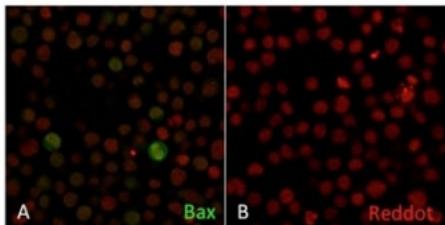
Citations (22)

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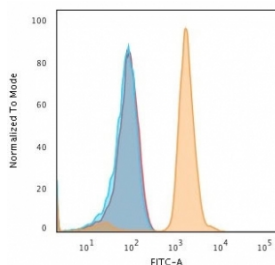
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	2D2
Purity	Protein G affinity chromatography
Gene ID	581
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml Western Blot : 2-4ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Bax antibody is available for research use only.



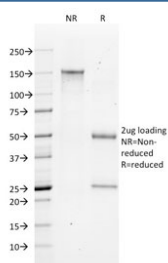
IHC testing of FFPE Hodgkin's lymphoma stained with Bax antibody (clone 2D2).



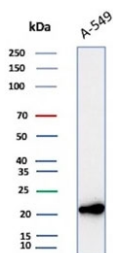
Immunofluorescent staining of fixed human Jurkat cells with Bax antibody (clone 2D2, green) and NucSpot nuclear stain (red).



Flow cytometry testing of fixed human Jurkat cells with Bax antibody (clone 2D2); Gold=isotype control, Blue= Bax antibody.



SDS-PAGE analysis of purified, BSA-free Bax antibody (clone 2D2) as confirmation of integrity and purity.



Western blot testing of human A549 cell lysate with Bax antibody (clone 2D2). Predicted molecular weight ~21 kDa.

Description

This antibody recognizes a protein of 21kDa, identified as the Bax protein. The Bax antibody is highly specific and shows no cross-reaction with Bcl-2 alpha 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 the protein also counters the death repressor activity of Bcl-2.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Bax antibody to be titrated up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA buffer, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Amino acids GSGEQPRGGGPTSS (3-16) were used as the immunogen for this anti-human Bax antibody.

Storage

Store the Bax antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

BCL2 associated X

References (3)