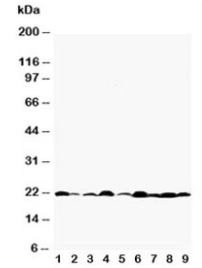
Bax Antibody (R30183)

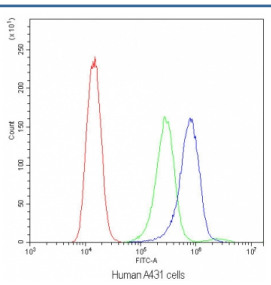
Catalog No.	Formulation	Size
R30183	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

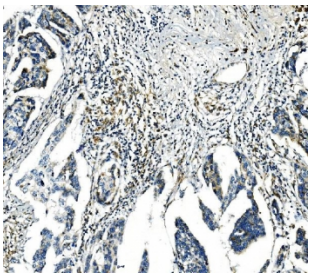
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q07812
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/10^6 cells Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Bax antibody is available for research use only.



Western blot testing of Bax antibody and Lane 1: rat testis; 2: rat kidney; 3: (r) brain; 4: (r) ovary; 5: human HeLa; 6: (h) MM231; 7: (h) A549; 8: (h) Jurkat; 9: (h) placenta tissue lysate. Predicted molecular weight: 21-24 kDa.



Flow cytometry testing of human A431 cells with Bax antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=Bax antibody.



IHC staining of FFPE human ovarian cancer tissue with Bax antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Bcl-2 Associated X Protein is a member of the Bcl-2 gene family. The gene encodes a 21-kDa protein whose association with Bcl-2 is believed to play a critical role in regulating apoptosis. It is an apoptosis-inducing protein that participates in cell death during normal development and in various diseases. It resides in an inactive state in the cytosol of many cells. Bax consists of 9 alpha helices and has extensive amino acid homology with Bcl-2, focused within highly conserved domains I and II. The protein is encoded by six exons and demonstrates a complex pattern of alternative RNA splicing that predicts a 21 kd membrane (alpha) and two forms of cytosolic protein (beta and gamma). Bax and Bak are essential for regulating the number of B cells at both immature and mature developmental stages. They are critical mediators of B cell death induced by multiple stimuli.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Bax antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 19-33 (IMKTGALLLQGFIQD) were used as the immunogen for this Bax antibody.

Storage

After reconstitution, the Bax antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com