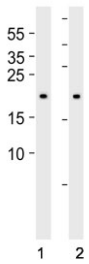
BAX Antibody (F55072)

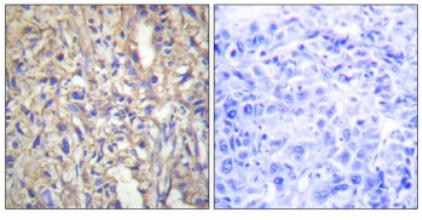
Catalog No.	Formulation	Size
F55072-0.1ML	In 1X PBS, pH 7.4, with 0.09% sodium azide and 50% glycerol	0.1 ml

Bulk quote request

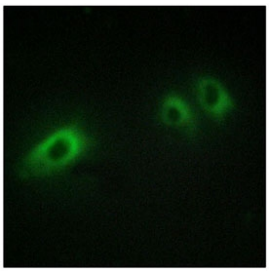
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q07812
Localization	Cytoplasm, Nucleus
Applications	Western Blot : 1:500-1:1000 Immunohistochemistry (FFPE) : 1:50-1:100 Immunofluorescence : 1-50-1:100
Limitations	This BAX antibody is available for research use only.



Western blot testing of human 1) 293 and 2) HT-1080 cell lysate with BAX antibody. Predicted molecular weight ~21 kDa.



IHC staining of FFPE human liver carcinoma tissue with BAX antibody (left) and without primary antibody (right). HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human HUVEC with BAX antibody.

Description

Apoptosis is a highly regulated process that is essential for the development and maintenance of multicellular organisms. The BAX protein is a crucial regulator of apoptosis, promoting cell death by permeabilizing the mitochondrial outer membrane and initiating the release of cytochrome c, which triggers a cascade of events leading to cell death. With its ability to induce apoptosis, the BAX protein acts as a safeguard against abnormal cell growth and development, ultimately ensuring cellular homeostasis. The activity of the BAX protein is tightly regulated by a variety of factors, including interactions with other proteins, post-translational modifications, and subcellular localization. Dysregulation of BAX activity can have serious consequences, leading to various diseases such as cancer, neurodegenerative disorders, and autoimmune diseases.

Application Notes

Titration of the BAX antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 51-79 from the human protein was used as the immunogen for the BAX antibody.

Storage

Store the BAX antibody at -20oC.