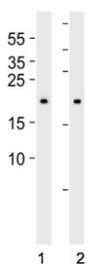


## BAX Antibody (F55072)

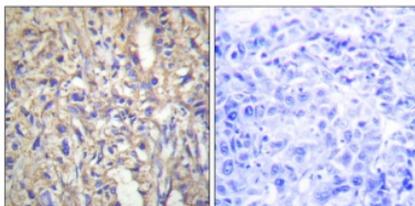
Catalog No.	Formulation	Size
F55072-0.1ML	In 1X PBS, pH 7.4, with 0.09% sodium azide and 50% glycerol	0.1 ml

[Bulk quote request](#)

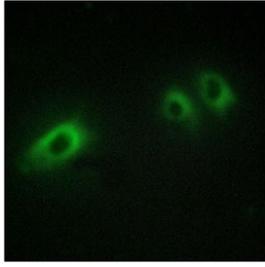
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q07812
<b>Localization</b>	Cytoplasm, Nucleus
<b>Applications</b>	Western Blot : 1:500-1:1000 Immunohistochemistry (FFPE) : 1:50-1:100 Immunofluorescence : 1:50-1:100
<b>Limitations</b>	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 -20°C.