**Product Name: BNIP3 Mouse Monoclonal Antibody**
**Catalog #: AMM81729**
For research use only.

## Summary

| | |
|---|---|
| **Description** | Mouse monoclonal Antibody |
| **Host** | Mouse |
| **Application** | IHC,ICC,ELISA,FC |
| **Reactivity** | Human |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Mouse IgG2a |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Purified antibody in PBS with 0.05% sodium azide |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | IHC 1:200-1:1000,ICC 1:50-1:250,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| **Molecular Weight** | 21.5kDa |

## Antigen Information

| | |
|---|---|
| **Gene Name** | BNIP3 |
| **Alternative Names** | NIP3 |
| **Gene ID** | 664.0 |
| **SwissProt ID** | Q12983 |
| **Immunogen** | Purified recombinant fragment of human BNIP3 (AA: 50-155) expressed in E. Coli. |

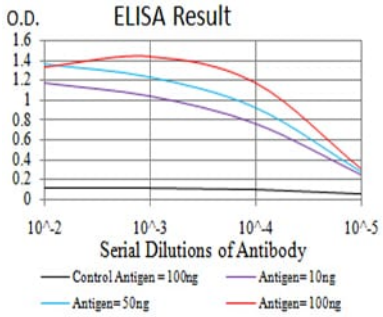
## Background

This gene is encodes a mitochondrial protein that contains a BH3 domain and acts as a pro-apoptotic factor. The encoded protein interacts with anti-apoptotic proteins, including the E1B 19 kDa protein and Bcl2. This gene is silenced in tumors by DNA methylation.

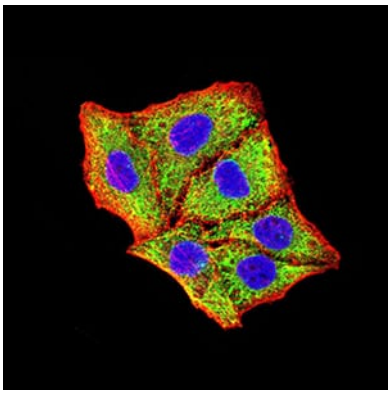
## Research Area

Apoptosis,mTOR signaling pathway

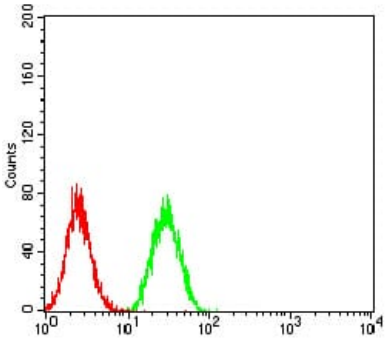
## Image Data



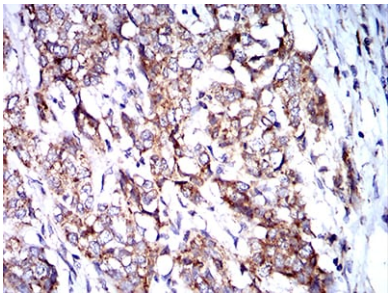

Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



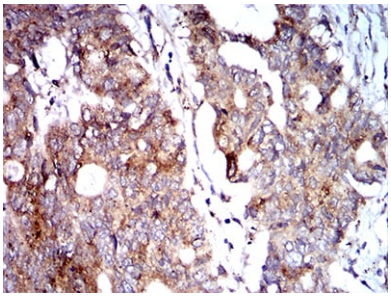
Immunofluorescence analysis of Hela cells using BNIP3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.




Flow cytometric analysis of Hela cells using BNIP3 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using BNIP3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using BNIP3 mouse mAb with DAB staining.