

## BNIP3 Rabbit mAb

Catalog No: #52104

Package Size: #52104-1 50ul #52104-2 100ul

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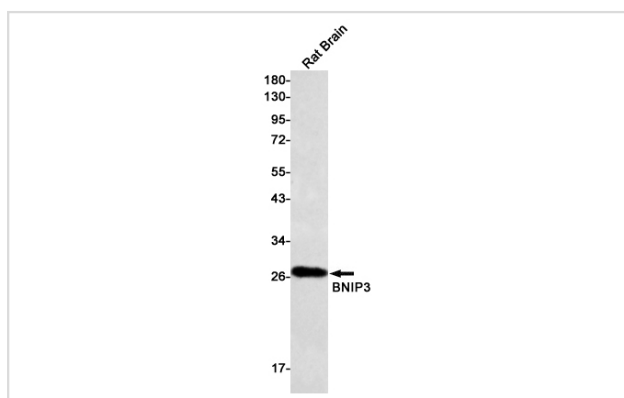
## Description

Product Name	BNIP3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S09-1G8
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human BNIP3
Conjugates	Unconjugated
Modification	Unmodification
Other Names	BNIP3; NIP3;
Accession No.	Swiss-Prot:Q12983GeneID:664
Uniprot	Q12983
GeneID	664
Calculated MW	Calculated MW: 28 kDa; Observed MW: 28 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

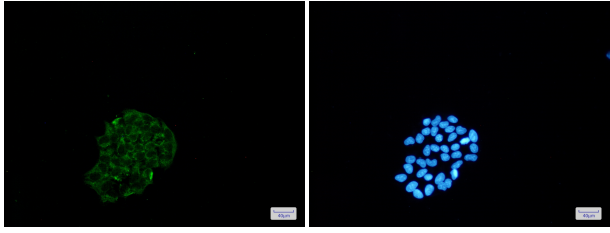
WB: 1/1000; ICC/IF: 1/50

## Images



Western blot detection of BNIP3 in Rat Brain lysates using BNIP3 Rabbit mAb(1:500 diluted). Predicted band size:28kDa. Observed band size:28kDa.

Immunofluorescence of BNIP3(green) in Hela cells using BNIP3 Rabbit mAb at dilution 1/50, and DAPI(blue)



## Background

Swiss-Prot Acc.Q12983. Apoptosis-inducing protein that can overcome BCL2 suppression. May play a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2. Involved in mitochondrial quality control via its interaction with SPATA18/MIEAP: in response to mitochondrial damage, participates in mitochondrial protein catabolic process (also named MALM) leading to the degradation of damaged proteins inside mitochondria. The physical interaction of SPATA18/MIEAP, BNIP3 and BNIP3L/NIX at the mitochondrial outer membrane regulates the opening of a pore in the mitochondrial double membrane in order to mediate the translocation of lysosomal proteins from the cytoplasm to the mitochondrial matrix. Plays an important role in the calprotectin (S100A8/A9)-induced cell death pathway.

Note: This product is for in vitro research use only