

## BNIP3L Rabbit mAb

Catalog No: #52179

Package Size: #52179-1 50ul #52179-2 100ul

Orders: order@signalwayantibody.com

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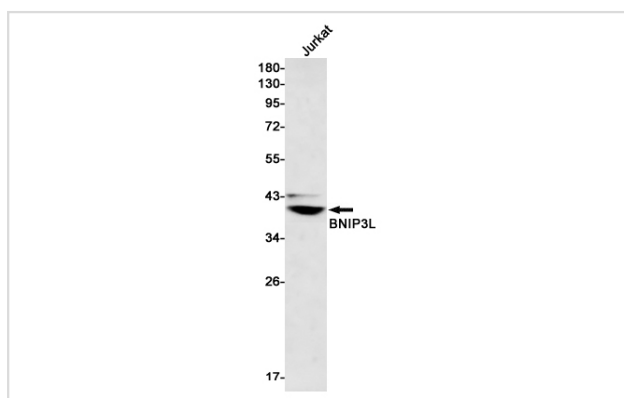
## Description

Product Name	BNIP3L Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-0F5
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human BNIP3L
Conjugates	Unconjugated
Modification	Unmodification
Other Names	NIX; BNIP3a
Accession No.	Swiss-Prot:O60238GeneID:665
Uniprot	O60238
GeneID	665
Calculated MW	Calculated MW: 24 kDa; Observed MW: 38 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.

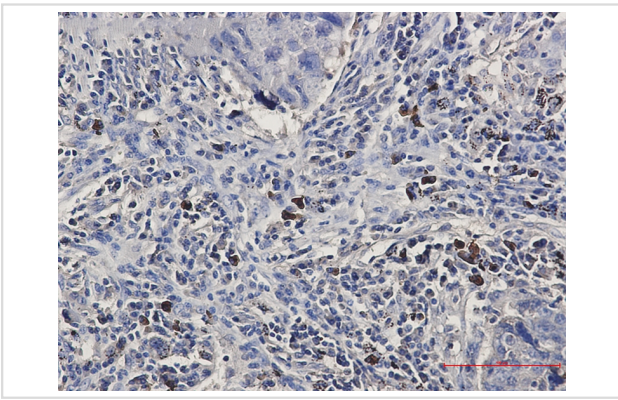
## Application Details

WB: 1/1000-1/5000; IHC: 1/20-1/100

## Images



Western blot detection of BNIP3L in Jurkat cell lysates using BNIP3L Rabbit mAb(1:500 diluted).Predicted band size:24kDa.Observed band size:38kDa.



Immunohistochemistry of BNIP3L in paraffin-embedded Human lung cancer tissue using BNIP3L Rabbit mAb at dilution 1/50

## Background

Swiss-Prot Acc.O60238.Induces apoptosis. Interacts with viral and cellular anti-apoptosis proteins. Can overcome the suppressors BCL-2 and BCL-XL, although high levels of BCL-XL expression will inhibit apoptosis. Inhibits apoptosis induced by BNIP3. 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. May function as a tumor suppressor.

Note: This product is for in vitro research use only