

Anti-NIP3 / BNIP3 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18606**Specification**

Anti-NIP3 / BNIP3 Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q12983
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	21541

Anti-NIP3 / BNIP3 Antibody - Additional Information**Gene ID** 664

Alias Symbol	BNIP3
Other Names	
BNIP3, NIP3	

Target/Specificity

Human NIP3 / BNIP3

Reconstitution & Storage

Affinity purified

Precautions

Anti-NIP3 / BNIP3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-NIP3 / BNIP3 Antibody - Protein Information**Name** BNIP3 ([HGNC:1084](#))**Synonyms** NIP3**Function**

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.

Cellular Location

Mitochondrion. Mitochondrion outer membrane; Single-pass membrane protein.

Note=Coexpression with the EIB 19-kDa protein results in a shift in NIP3 localization pattern to the nuclear envelope. Colocalizes with ACAA2 in the mitochondria. Colocalizes with SPATA18 at the mitochondrion outer membrane

Anti-NIP3 / BNIP3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-NIP3 / BNIP3 Antibody - Images