

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

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**Anti-NIP3 / BNIP3 Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">Q12983</a>
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
<b>Other Names</b>	
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**