

# Anti-NIP3 / BNIP3 Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18606

## Product Information

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|-------------------|------------------------|
| Application       | WB, IHC-P              |
| Primary Accession | <a href="#">Q12983</a> |
| Predicted         | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | IgG                    |
| Calculated MW     | 21541                  |

## Additional Information

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|--------------------------|--------------------------------------------------------------------------------------------------------------|
| 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. |

## Protein Information

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| Name              | BNIP3 ( <a href="#">HGNC:1084</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.