

# BNIP-3 rabbit pAb

Cat No.:ES3884

For research use only

## Overview

|                          |  |
|--------------------------|--|
| Product Name             | BNIP-3 rabbit pAb  |
| Host species             | Rabbit   |
| Applications             | WB;IHC;IF;ELISA  |
| Species Cross-Reactivity | Human;Rat;Mouse;   |
| Recommended dilutions    | Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300<br>ELISA: 1/20000. Not yet tested in other applications.  |
| Immunogen                | The antiserum was produced against synthesized peptide derived from the Internal region of human BNIP3. AA range:71-120  |
| Specificity              | BNIP-3 Polyclonal Antibody detects endogenous levels of BNIP-3 protein.  |
| Formulation              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Storage                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| Protein Name             | BCL2/adenovirus E1B 19 kDa protein-interacting protein 3   |
| Gene Name                | BNIP3  |
| Cellular localization    | Mitochondrion. Mitochondrion outer membrane; Single-pass membrane protein. Coexpression with the E1B 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. |
| Purification             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| Clonality                | Polyclonal   |
| Concentration            | 1 mg/ml  |
| Observed band            | 22kD   |
| Human Gene ID            | 664  |
| Human Swiss-Prot Number  | Q12983   |
| Alternative Names        | BNIP3; NIP3; BCL2/adenovirus E1B 19 kDa  |





## Background

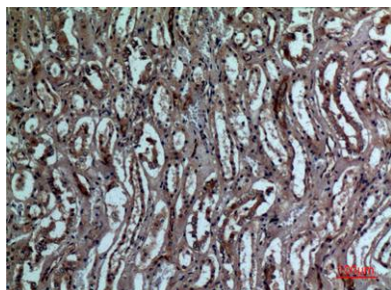
### protein-interacting protein 3

This gene encodes a mitochondrial protein that contains a BH3 domain and acts as a pro-apoptotic factor. The encoded protein interacts with anti-apoptotic proteins, including the E1B 19 kDa protein and Bcl2. This gene is silenced in tumors by DNA methylation. [provided by RefSeq, Dec 2014],

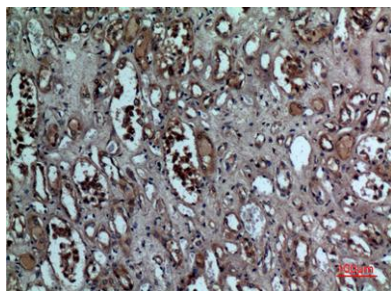


Western Blot analysis of mouse eye cells using BNIP-3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100



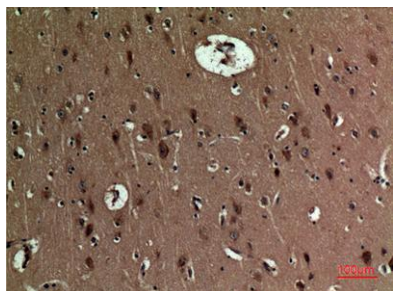
Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100





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Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100



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