

For Research Use Only

# BNIP3L Monoclonal antibody, PBS Only

Catalog Number: 68118-1-PBS



## Basic Information

Catalog Number:

68118-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG31547

GenBank Accession Number:

BC001559

GeneID (NCBI):

665

UNIPROT ID:

O60238

Full Name:

BCL2/adenovirus E1B 19kDa  
interacting protein 3-like

Calculated MW:

24 kDa

Observed MW:

35 kD

Purification Method:

Protein G purification

CloneNo.:

1F6A3

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

BNIP3L/Nix is a mitochondrial protein from the outer membrane that belongs to the BH3-only protein from the BCL2 family. BNIP3L was initially recognized as a proapoptotic protein with milder efficacy in inducing apoptosis compared to other proteins in this family. These phenotypes raised concerns about the molecular function of BNIP3L besides inducing apoptosis. Moreover, studies have shown that BNIP3L is a 24-kDa protein, which is predominantly expressed as a 48-kDa dimer. When analyzed by SDS-PAGE, BNIP3 migrates predominantly as a about 60 kDa dimer in addition to the 30 kDa monomer. (PMID: 34930907, PMID: 32286918)

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

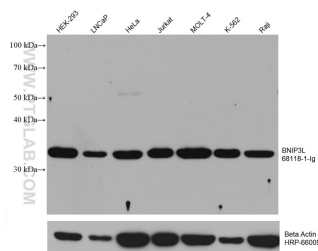
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

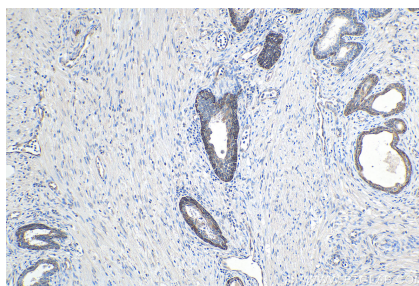
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

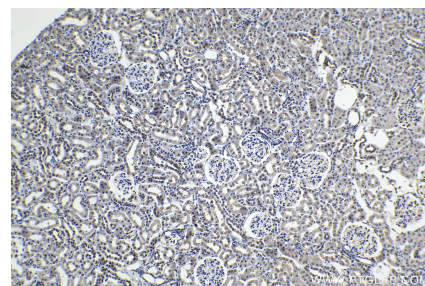
## Selected Validation Data



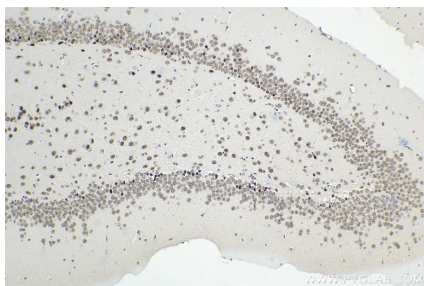
Various lysates were subjected to SDS PAGE followed by western blot with 68118-1-Ig (BNIP3L antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68118-1-PBS in a different storage buffer formulation.



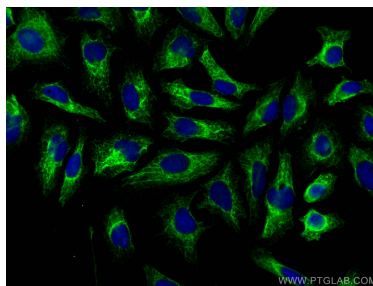
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 68118-1-Ig (BNIP3L antibody) at dilution of 1:1000 (under 10x lens). Proteolytic pre-treatment mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68118-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 68118-1-Ig (BNIP3L antibody) at dilution of 1:1000 (under 10x lens). Proteolytic pre-treatment mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68118-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68118-1-Ig (BNIP3L antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68118-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using BNIP3L antibody (68118-1-Ig, Clone: 1F6A3 ) at dilution of 1:800 and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68118-1-PBS in a different storage buffer formulation.