

For Research Use Only

BNIP3L Monoclonal antibody, PBS Only

Catalog Number: 68118-1-PBS



Basic Information

Catalog Number: 68118-1-PBS	GenBank Accession Number: BC001559	Purification Method: Protein G purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 665	CloneNo.: 1F6A3
Source: Mouse	UNIPROT ID: O60238	
Isotype: IgG1	Full Name: BCL2/adenovirus E1B 19kDa interacting protein 3-like	
Immunogen Catalog Number: AG31547	Calculated MW: 24 kDa	
	Observed MW: 35 kD	

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

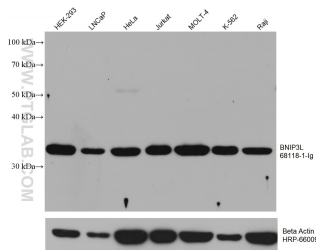
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

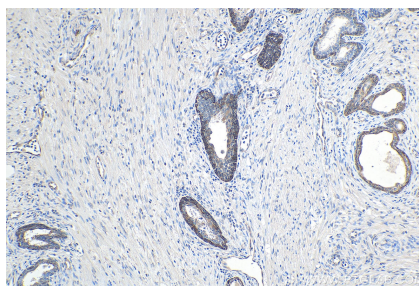
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

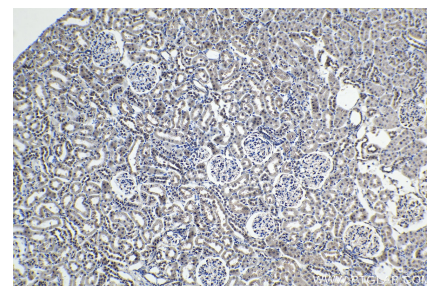
Selected Validation Data



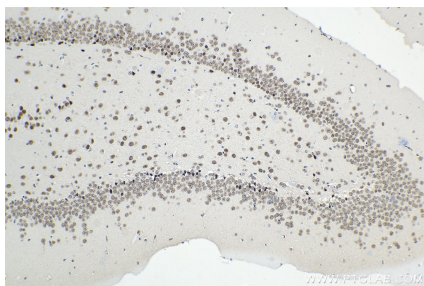
Various lysates were subjected to SDS PAGE followed by western blot with 68118-1-Ig (BNIP3L antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data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



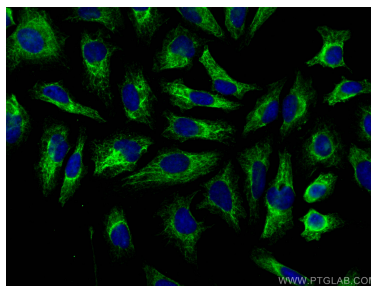
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 68118-1-Ig (BNIP3L antibody) at dilution of 1:1000 (under 10x lens). Proteolytic pre-treatment mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with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