

For Research Use Only

PLEK Monoclonal antibody, PBS Only



Catalog Number: 66431-1-PBS

Featured Product

Basic Information

Catalog Number: 66431-1-PBS	GenBank Accession Number: BC018549	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5341	CloneNo.: 1D5C2
Source: Mouse	UNIPROT ID: P08567	
Isotype: IgG1	Full Name: pleckstrin	
Immunogen Catalog Number: AG3187	Calculated MW: 350 aa, 40 kDa	
	Observed MW: 40-47 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
human, pig, mouse

Background Information

PLEK (pleckstrin; also known as p47) was originally identified as the major PKC substrate in platelets and later is found to be expressed in all cells of the hemopoietic system. Through two pleckstrin homology (PH) domains at its N and C termini, PLEK may interact with various protein and/or lipid ligands and serve as an intracellular adaptor/targeting protein. Predominantly cytosolic in unstimulated cells, PLEK would undergo transient redistribution to phagosomal membrane in response to stimuli. PLEK has been found to be hyperphosphorylated in diabetic mononuclear phagocytes and promote proinflammatory cytokine secretion in diabetes. (10477609, 17579087)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

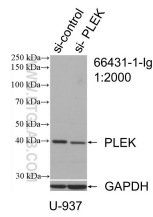
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

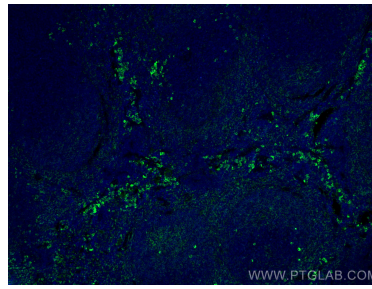
E: proteintech@ptglab.com
W: ptglab.com

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

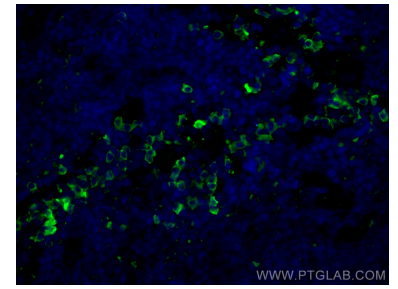
Selected Validation Data



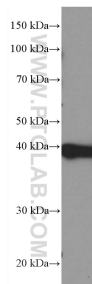
WB result of PLEK antibody (66431-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PLEK transfected U-937 cells. This data was developed using the same antibody clone with 66431-1-PBS in a different storage buffer formulation.



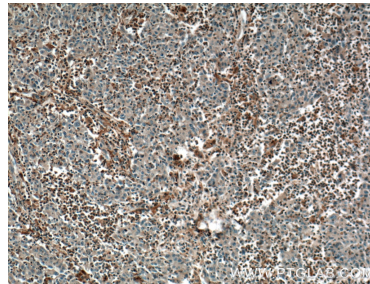
Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using PLEK antibody (66431-1-Ig, Clone: 1D5C2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66431-1-PBS in a different storage buffer formulation.



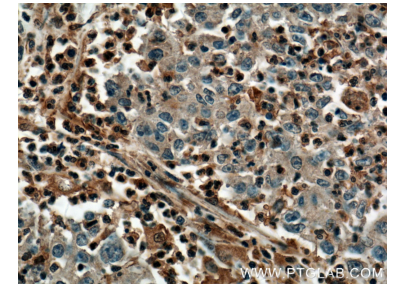
Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using PLEK antibody (66431-1-Ig, Clone: 1D5C2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66431-1-PBS in a different storage buffer formulation.



HL-60 cells were subjected to SDS PAGE followed by western blot with 66431-1-Ig (PLEK Antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66431-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66431-1-Ig (PLEK Antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66431-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66431-1-Ig (PLEK Antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66431-1-PBS in a different storage buffer formulation.