

For Research Use Only

PLEK Polyclonal antibody

Catalog Number: 12506-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 12506-1-AP	GenBank Accession Number: BC018549	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5341	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: pleckstrin	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 350 aa, 40 kDa	
Immunogen Catalog Number: AG3187	Observed MW: 40-47 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : U-937 cells, rat spleen tissue
Cited Applications: WB	IP : U-937 cells,
Species Specificity: human, mouse, rat	IHC : human lung cancer tissue,
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Guo	31849582	Front Neurosci	WB
Jing Lin	34837956	Mol Med	WB
Tian Luo	29643078	mSphere	WB

Storage

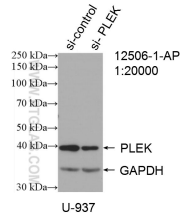
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

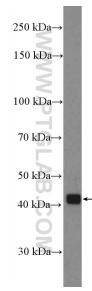
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

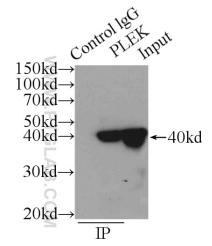
Selected Validation Data



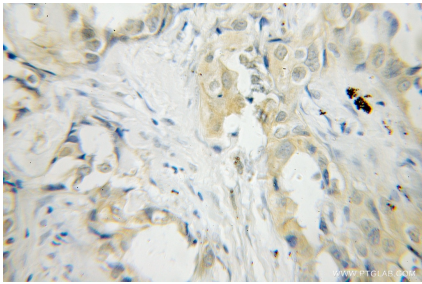
WB result of PLEK antibody (12506-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PLEK transfected U-937 cells.



U-937 cells were subjected to SDS PAGE followed by western blot with 12506-1-AP (PLEK Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-PLEK (IP:12506-1-AP, 3ug; Detection:12506-1-AP 1:1000) with U-937 cells lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 12506-1-AP (PLEK antibody) at dilution of 1:50 (under 40x lens).