

For Research Use Only

PLEK Polyclonal antibody

Catalog Number: 12506-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

12506-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3187

GenBank Accession Number:

BC018549

GeneID (NCBI):

5341

UNIPROT ID:

P08567

Full Name:

pleckstrin

Calculated MW:

350 aa, 40 kDa

Observed MW:

40-47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : U-937 cells, rat spleen tissue

IHC : human lung cancer tissue,

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

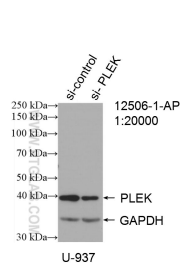
For technical support and original validation data for this product please contact:

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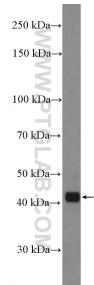
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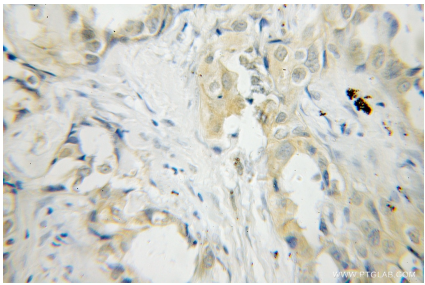
Selected Validation Data



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.



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