

PLEK Polyclonal Antibody

Catalog number: 12506-1-AP

Size: 30 µg/150 µl

Source: Rabbit

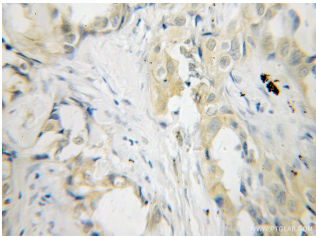
Isotype: IgG

Synonyms:

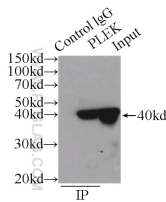
PLEK; FLJ27168, P47, Platelet

47 kDa protein, pleckstrin,

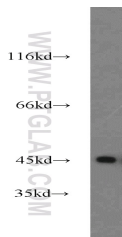
PLEK



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



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



U-937 cells were subjected to SDS PAGE followed by western blot with 12506-1-AP (PLEK antibody) at dilution of 1:1000

Background

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)

Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated PLEK MW:	350aa, 40 kDa
Observed PLEK MW:	45-47 kDa
Positive WB detected in	U-937 cells, rat spleen tissue
Positive IP detected in	U-937 cells
Positive IHC detected in	Human lung cancer tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:500-1:5000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3187
GenBank accession number:	BC018549
Gene ID (NCBI):	5341
Full name:	Pleckstrin

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.