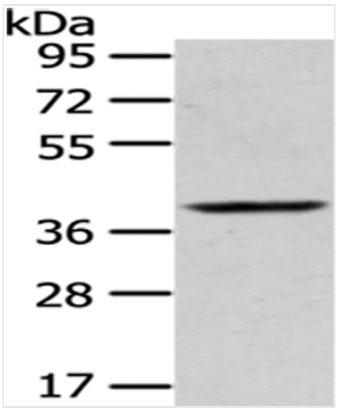
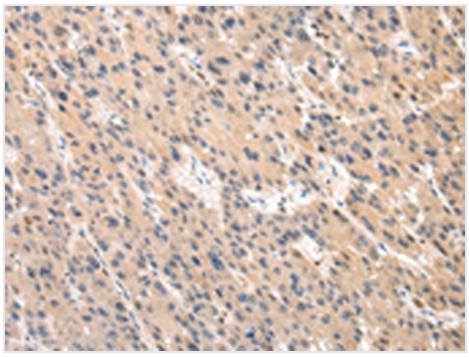
PLEK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLEK, Polyclonal Antibody
Full Product Name	PLEK Antibody
Product Gene Name	anti-PLEK antibody
Product Synonym Names	P47
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen Affinity Purification
Concentration	1 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total PLEK protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	40,125 Da
OMIM	173570
3D Structure	ModBase 3D Structure for P08567
Immunogen	Fusion protein of human PLEK
Immunogen Type	Protein
Product Categories/Family for anti-PLEK antibody	Total protein Ab
Applications Tested/Suitable for anti-PLEK antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-PLEK antibody	Western Blot: 1:500-1:2000 Immunohistochemistry: 1:25-1:100
Related Product Information for anti-PLEK antibody	Pleckstrin is highly expressed in human neutrophils. Pleckstrin is rapidly phosphorylated following treatment of neutrophils in response to inflammatory stimuli, probably by nonconventional PKC isoformsdelta or zeta, which are expressed in human neutrophils. Phosphorylation by nonconventional PKC isoformsinduces a conformational change in pleckstrin that promotes its interaction with membranes and/or with the cytoskeleton, serving to target proteins or lipids recognized by PH domains to sites where they can contribute to the microbicidal response.
Other Notes	Small volumes of anti-PLEK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PLEK purchase	MBS9415763 is an antibody targeting PLEK. Also known as PLEK Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PLEK antibody
Gel: 8%SDS-PAGE Lysate: 40 ? g Lane: Hela cell Primary antibody: 1/400 dilution
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution Exposure time: 10 seconds



Immunohistochemistry (IHC) of anti-PLEK antibody
Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/20. (Original magnification: ¡•200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLEK. It may not necessarily be applicable to this product.

NCBI GI #	156616273
NCBI GeneID	5341
NCBI Accession #	NP_002655.2
UniProt Primary Accession #	P08567
UniProt Secondary Accession #	Q53SU8; Q6FGM8; Q6FGQ1; Q8WV81; B2R9E8
UniProt Related Accession #	P08567
GenBank Nucleotide #	NM_002664.2
NCBI Official Full Name	pleckstrin
NCBI Official Synonym Full Names	pleckstrin
NCBI Official Symbol	PLEK
NCBI Official Synonym Symbols	P47
UniProt Protein Name	Pleckstrin
UniProt Synonym Protein Names	Platelet 47 kDa protein; p47
Protein Family	Pleckstrin
UniProt Gene Name	PLEK
UniProt Synonym Gene Names	P47; p47
UniProt Entry Name	PLEK_HUMAN
NCBI Protein Information	pleckstrin

UniProt Comments for PLEK	pleckstrin: Major protein kinase C substrate of platelets. Protein type: Lipid-binding Chromosomal Location of Human Ortholog: 2p13.3 Cellular Component: cytoplasm; cytosol; extracellular region; membrane Molecular Function: phosphatidylinositol-3,4-bisphosphate binding; protein binding; protein homodimerization activity; protein kinase C binding Biological Process: actin cytoskeleton reorganization; cell projection organization and biogenesis; cortical actin cytoskeleton organization and biogenesis; hemopoietic progenitor cell differentiation; integrin-mediated signaling pathway; negative regulation of G-protein coupled receptor protein signaling pathway; phosphatidylinositol metabolic process; phospholipase C inhibition; platelet degranulation; positive regulation of actin filament bundle formation; positive regulation of actin filament depolymerization; positive regulation of integrin activation; ruffle organization and biogenesis; vesicle docking during exocytosis
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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