PLEK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLEK, Polyclonal Antibody
Full Product Name	PLEK Polyclonal Antibody
Product Gene Name	anti-PLEK antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	40kDa
OMIM	173570
3D Structure	ModBase 3D Structure for P08567
Immunogen	Recombinant protein of human PLEK (NP_002655.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PLEK antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-PLEK antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-PLEK antibody	MBS8572851 is an antibody targeting PLEK. Also known as PLEK Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
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.

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 Related Accession #	P08567
GenBank Nucleotide #	NP_002655.2
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: membrane; cytoplasm; extracellular region; cytosol Molecular Function: protein binding; protein homodimerization activity; protein kinase C binding; phosphatidylinositol-3,4-bisphosphate binding Biological Process: negative regulation of calcium-mediated signaling; integrin-mediated signaling pathway; platelet activation; phospholipase C inhibition; positive regulation of actin filament depolymerization; negative regulation of G-protein coupled receptor protein signaling pathway; positive regulation of integrin activation; platelet degranulation; cell projection organization and biogenesis; actin cytoskeleton reorganization; ruffle organization and biogenesis; positive regulation of actin filament bundle formation; hemopoietic progenitor cell differentiation; phosphatidylinositol metabolic process; cortical actin cytoskeleton organization and biogenesis; blood coagulation; vesicle docking during exocytosis
Research Articles on PLEK	**1.** Only one gene, pleckstrin , was significantly overexpressed in periodontitis,cardiovascular disease, rheumatoid arthritis and ulcerative colitis , implicating this gene as an important networking link between these chronic inflammatory diseases
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