

C3 Rabbit mAb

Catalog No: #49761

Package Size: #49761-1 50ul #49761-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

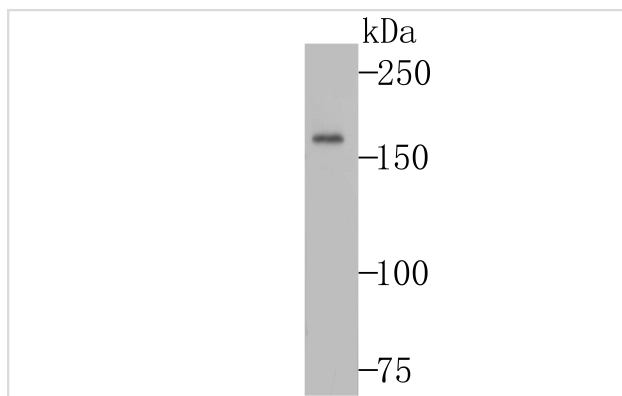
Description

Product Name	C3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU42-68
Purification	ProA affinity purified
Applications	WB,IHC,IP
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	Acylation stimulating protein cleavage product antibody AHUS5 antibody ARMD9 antibody ASP antibody C3 and PZP like alpha 2 macroglobulin domain containing protein 1 antibody C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1 antibody C3 antibody CO3_HUMAN antibody Complement C3 antibody Complement C3c alpha" chain fragment 2 antibody Complement component 3 antibody Complement factor 3 antibody CPAMD1 antibody HEL S 62p antibody
Accession No.	Swiss-Prot#:P01024
Uniprot	P01024
GeneID	718;
Calculated MW	187 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

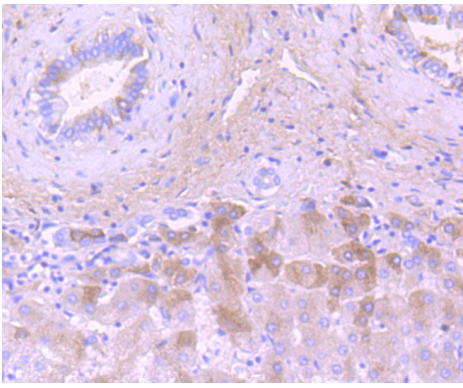
Application Details

WB: 1:500 IHC: 1:50-1:100IP: 1:10-1:50

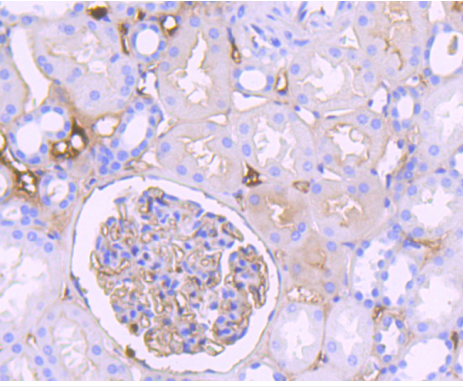
Images



Western blot analysis of C3 on SiHa cell lysates using anti-C3 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-C3 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-C3 antibody. Counter stained with hematoxylin.

Background

Complement C3 precursor contains complement C3 beta chain, complement C3 alpha chain, C3a anaphylatoxin, complement C3b alpha chain, complement C3c fragment, complement C3dg fragment, complement C3g fragment, complement C3d fragment and complement C3f fragment. C3a, C4a, and C5a are potent anaphylatoxins that are released during complement activation, a system of ligand-surface protein interactions specific to cells of hematopoietic lineage that aids in the elimination of pathogens. C3a and C5a secretion correlates with pathophysiological phenotypes such as asthma and bacterial meningitis. Binding of these proteins to their respective G protein-coupled receptors (C3aR, C5aR), which are present on the surface of myeloid leukocytes, induces proinflammatory events such as cellular degranulation, smooth muscle contraction, arachidonic acid metabolism, cytokine release, leukocyte activation and cellular chemotaxis. C3aR is expressed in brain and activated B-lymphocytes whereas C5aR is prevalent on the surface of hepatocyte, lung, smooth muscle, and endothelial cells. Upon activation, C3aR and C5aR are susceptible to rapid GRK-mediated phosphorylation and clathrin-coated vesicle targeting. C5aR utilizes the Ras-Raf-ERK1/2 cascade and couples to Gi/G16 proteins.

References

Note: This product is for in vitro research use only