

Rabbit anti-Mouse Complement C3 Monoclonal Antibody | anti-C3 antibody

Complement C3 Rabbit mAb

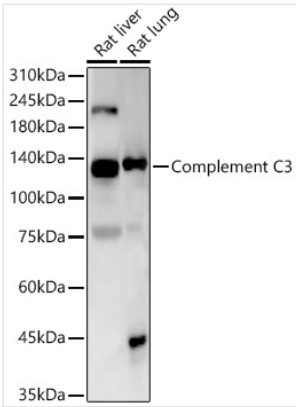
CATALOG # AAA282948	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

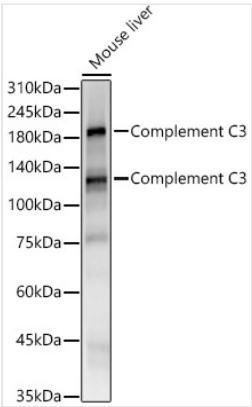
Complement C3; Monoclonal Antibody; Complement C3 Rabbit mAb; ASP; Plp; HSE-MSF; anti-C3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	RVSIRPAPET AKKP EEAKNT MFLEICTKYL GDVDATMSIL DISMMTG FAP DTKDLELLAS GVDRYISKYE MNKA FSNKNT LIIYLEKISH TEEDCLTFKV HQYFNVGLIQ PGSVKVYSYY NLEESCTRFY HPEKDDGMLS KLCHSEMCRC AEENCFMQQS QEKINLNVRL DKACEPGVDY VYKTEL TNIE LLDDFDEYTM TIQQVIKSGS DEVQAGQQRK FISHIKCRNA LKLQKGKKYL MWGLSSDLWG EKPNTSYIIG KDTWVEHWPE AEECQDQKYQ KQCEELGAFT ESMVVYGCPN
Applicable Applications for anti-C3 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1364-1663 of mouse Complement C3 (NP_033908.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



WB (Western Blot)
Western blot analysis of various lysates, using Complement C3 Rabbit mAb (AAA282948) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



WB (Western Blot)
Western blot analysis of lysates from Mouse liver, using Complement C3 Rabbit mAb (AAA282948) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-C3 antibody	This gene encodes complement protein C3 which plays a central role in the classical, alternative and lectin activation pathways of the complement system. The encoded preproprotein undergoes a multi-step processing to generate various functional peptides. Mice deficient in the encoded protein fail to clear bacteria from the blood stream upon infection, display diminished airway hyperresponsiveness and lung eosinophilia upon allergen-induced pulmonary allergy, and develop severe lung injury after deposition of IgG immune complexes. Deficiency of the homolog of the encoded protein in humans was found to be associated with increased susceptibility to infections, age-related macular degeneration, and atypical hemolytic uremic syndrome.
Product Categories/Family for anti-C3 antibody	Signal Transduction; G protein signaling; G-Protein-Coupled Receptors(GPCR); Immunology & Inflammation; Cell Intrinsic Innate Immunity Signaling Pathway; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	126518317
NCBI GeneID	12266
NCBI Accession #	NP_033908.2
NCBI GenBank Nucleotide #	NM_009778.2
UniProt Accession #	P01027; Q61370; Q80XP1
Molecular Weight	Calculated MW: 186kDa Observed MW: 115kDa/187kDa
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	C3bc; ASP
UniProt Entry Name	CO3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.