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C3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant C3.
Catalog # AT1345a

Product Information

Application	WB, IHC, E
Primary Accession	P01024
Other Accession	NM_000064
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5F9
Calculated MW	187148

Additional Information

Gene ID	718
Other Names	Complement C3, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, Complement C3 beta chain, C3-beta-c, C3bc, Complement C3 alpha chain, C3a anaphylatoxin, Acylation stimulating protein, ASP, C3adesArg, Complement C3b alpha' chain, Complement C3c alpha' chain fragment 1, Complement C3dg fragment, Complement C3g fragment, Complement C3d fragment, Complement C3f fragment, Complement C3c alpha' chain fragment 2, C3, CPAMD1
Target/Specificity	C3 (NP_000055, 1534 a.a. ~ 1644 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	C3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

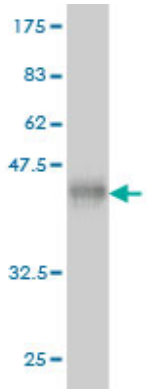
Background

Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. People with C3 deficiency are susceptible to bacterial infection.

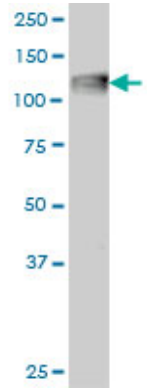
References

R102G polymorphism of the C3 gene associated with exudative age-related macular degeneration in a French population. Zerbib J, et al. Mol Vis, 2010 Jul 15. PMID 20664795. Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624. Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Single nucleotide polymorphisms in inflammation-related genes are associated with venous thromboembolism. Beckers MM, et al. Eur J Intern Med, 2010 Aug. PMID 20603037. Determination of a gene and environment risk model for age-related macular degeneration. Gibson J, et al. Br J Ophthalmol, 2010 Jun 24. PMID 20576771.

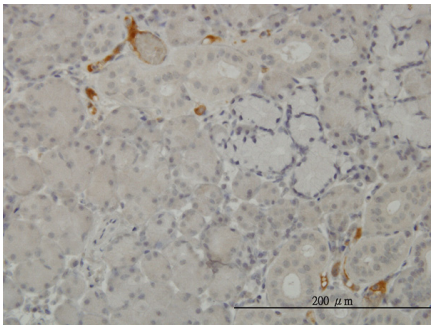
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.95 KDa) .

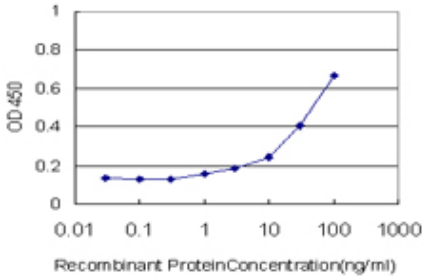


C3 monoclonal antibody (M01), clone 5F9 Western Blot analysis of C3 expression in A-431 ((Cat # AT1345a)



Immunoperoxidase of monoclonal antibody to C3 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]

Detection limit for recombinant GST tagged C3 is approximately 1ng/ml as a capture antibody.



Citations

- Complement Component 3 as a Surrogate Hallmark for Metabolic Abnormalities in Patients with Chronic Hepatitis C.
- Proteomic analysis of serum proteins in acute ischemic stroke patients treated with acupuncture.
- Complement Component 3 Is Regulated by TWIST1 and Mediates Epithelial-Mesenchymal Transition.
- SAK-HV Triggered a Short-period Lipid-lowering Biotherapy Based on the Energy Model of Liver Proliferation via a Novel Pathway.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.