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C4A Rabbit mAb

Catalog # AP77849

Product Information

Application	WB, IHC-P, FC
Primary Accession	P0C0L4
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human C4D
Purification	Affinity Chromatography
Calculated MW	192785

Additional Information

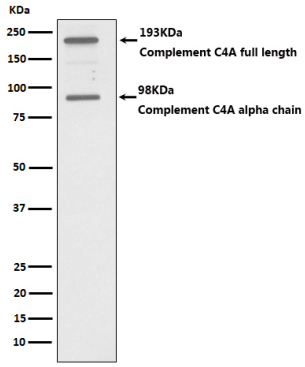
Gene ID	720;721
Other Names	C4A
Dilution	WB~~1/500-1/1000 IHC-P~~N/A FC~~1:10~50
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	C4A {ECO:0000303|PubMed:6546707, ECO:0000312|HGNC:HGNC:1323}
Function	Precursor of non-enzymatic components of the classical, lectin and GZMK complement pathways, which consist in a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system.
Cellular Location	Secreted. Synapse Cell projection, axon. Cell projection, dendrite [Complement C4b-A]: Secreted. Cell surface. Note=Covalently associated with the surface of pathogens: the internal thioester bond reacts with carbohydrate antigens on the target surface to form amide or ester bonds.
Tissue Location	Complement component C4 is expressed at highest levels in the liver, at moderate levels in the adrenal cortex, adrenal medulla, thyroid gland, and the kidney, and at lowest levels in the heart, ovary, small intestine, thymus, pancreas and spleen (PubMed:11367523). The extra-hepatic sites of

expression may be important for the local protection and inflammatory response (PubMed:11367523).

Images



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