

Complement C3 Polyclonal Antibody;

Catalog No: #42525

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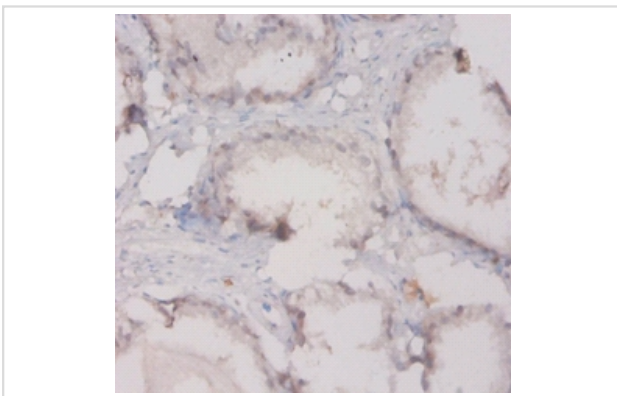
Description

Product Name	Complement C3 Polyclonal Antibody;
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Complement C3 polyclonal antibody;.
Immunogen Type	protein
Immunogen Description	Recombinant human Complement C3 protein
Target Name	Complement C3;
Other Names	C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, C3, CPAMD1
Accession No.	Swiss-Prot#: P01024
Uniprot	P01024
GeneID	718;
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human prostate using #42525 at dilution of 1:20.

Background

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates. Ref.5 Ref.11 Ref.14 Ref.15 Ref.16 Ref.22 Ref.25 Ref.30 Derived from proteolytic degradation of complement C3, C3a anaphylatoxin is a mediator of local inflammatory process. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes. Ref.5 Ref.11 Ref.14 Ref.15 Ref.16 Ref.22 Ref.25 Ref.30 Acylation stimulating protein (ASP): adipogenic

hormone that stimulates triglyceride (TG) synthesis and glucose transport in adipocytes, regulating fat storage and playing a role in postprandial TG clearance. Appears to stimulate TG synthesis via activation of the PLC, MAPK and AKT signaling pathways. Ligand for GPR77. Promotes the phosphorylation, ARRB2-mediated internalization and recycling of GPR77.

References

[1] "Human complement component C3: cDNA coding sequence and derived primary structure."de Bruijn M.H.L., Fey G.H.Proc. Natl. Acad. Sci. U.S.A. 82:708-712(1985) [2] SeattleSNPs variation discovery resource Submitted (DEC-2003) to the EMBL/Ge

Note: This product is for in vitro research use only