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Datasheet for ABIN6982560
anti-C5 antibody (AA 678-751) (Biotin)

Overview

Quantity:	100 µL
Target:	C5
Binding Specificity:	AA 678-751
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C5 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human C5a anaphylatoxin
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	C5
Alternative Name:	C5a anaphylatoxin (C5 Products)
Background:	Synonyms: Anaphylatoxin C5a, C5, Complement C5, Complement C5 precursor, Complement

Target Details

component 5, CPAMD4, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4, Complement C5 alpha chain, C5a anaphylatoxin, Complement C5 alpha' chain, C05_HUMAN. Background: The protein encoded by this gene is the fifth component of complement, which plays an important role in inflammatory and cell killing processes. This protein is comprised of alpha and beta polypeptide chains that are linked by a disulfide bridge. An activation peptide, C5a, which is an anaphylatoxin that possesses potent spasmogenic and chemotactic activity, is derived from the alpha polypeptide via cleavage with a convertase. The C5b macromolecular cleavage product can form a complex with the C6 complement component, and this complex is the basis for formation of the membrane attack complex, which includes additional complement components. Mutations in this gene cause complement component 5 deficiency, a disease where patients show a propensity for severe recurrent infections. Defects in this gene have also been linked to a susceptibility to liver fibrosis and to rheumatoid arthritis. [provided by RefSeq, Jul 2008].

Gene ID: 727

UniProt: [P01031](#)

Pathways: [Complement System](#), [Carbohydrate Homeostasis](#)

Application Details

Application Notes: IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months