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Datasheet for ABIN1700225 anti-C5 antibody (Biotin)

Overview

Quantity:	100 µL
Target:	C5
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C5 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human C5
Isotype:	IgG
Purification:	Purified by Protein A.

Target Details

Target:	C5
Abstract:	C5 Products
Background:	The complement component proteins: C2, C3, C4 and C5 are potent anaphylatoxins that are released during complement activation. Binding of these proteins to their respective G protein-coupled receptors, C3aR, C1R and C5aR, induces proinflammatory events, such as cellular degranulation, smooth muscle contraction, arachidonic acid metabolism, cytokine release, leukocyte activation and cellular chemotaxis. Activation of the complement system leads to the

Target Details

formation of C5b-9 terminal complex, and while C5b-9 can promote cell lysis, the sublytic assembly of C5b-9 on plasma membranes causes an opposite result and induces cell cycle activation and survival. C5b-9 can rescue oligodendrocytes from FAS-mediated apoptosis by regulating caspase-8 processing via PI 3-K signaling. C5b-9 may play a pro-inflammatory role in the acute phase of multiple sclerosis, but may also be neuroprotective during the chronic phase of the disease. Complement C5 precursor contains C5a anaphylatoxin. C3a and C5a secretion correlates with pathophysiological phenotypes such as asthma and bacterial meningitis.

Synonyms: Anaphylatoxin C5a analog, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4, C5, C5a, CO5_HUMAN, Complement C5 alpha" chain, Complement C5, Complement component C5, CPAMD4.

Gene ID: 727

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

Application Details

Application Notes: WB(1:100-1000), IHC-P(1:100-500)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % sodium azide.

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Store at 4°C

Expiry Date: 12 months