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Datasheet for ABIN5514688

anti-Complement Factor I antibody (C-Term)

Overview

Quantity:	100 µL
Target:	Complement Factor I (CFI)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Complement Factor I antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human CFI
Sequence:	AGTYDGSIDA CKGDSGGPLV CMDANNVTYV WGVVSWGENC GKPEFPGVYT
Predicted Reactivity:	Cow: 77%, Dog: 77%, Guinea Pig: 79%, Horse: 83%, Human: 100%, Mouse: 86%, Pig: 85%, Rabbit: 83%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against CFI. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Complement Factor I (CFI)
Alternative Name:	CFI (CFI Products)

Target Details

Background:	This gene encodes a serine proteinase that is essential for regulating the complement cascade. The encoded preproprotein is cleaved to produce both heavy and light chains, which are linked by disulfide bonds to form a heterodimeric glycoprotein. This heterodimer can cleave and inactivate the complement components C4b and C3b, and it prevents the assembly of the C3 and C5 convertase enzymes. Defects in this gene cause complement factor I deficiency, an autosomal recessive disease associated with a susceptibility to pyogenic infections. Mutations in this gene have been associated with a predisposition to atypical hemolytic uraemic syndrome, a disease characterized by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glomerulonephritis with immune deposits is another condition associated with mutation of this gene. Alias Symbols: CFI, IF, Protein Interaction Partner: GLP1R, CFH, C3, Protein Size: 583
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Gene ID:	3426
NCBI Accession:	NM_000204 , NP_000195
UniProt:	P05156
Pathways:	Complement System

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C
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Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
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