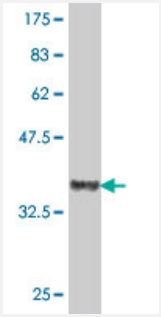
IF polyclonal antibody (A01)

Catalog # H00003426-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant IF.
Immunogen	IF (NP_000195, 19 a.a. ~ 118 a.a) partial recombinant protein with GST tag.
Sequence	KVTYTSQEDLVEKKCLAKKYTHLSCDKVFCQPWQRCIEGTCVCKLPYQCPKNGTAVCATNRRSF PTYCQQKSLECLHPGTKFLNNGTCTAEGKFSVSLKH
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — CFI

Entrez GeneID	3426
GeneBank Accession#	NM_000204
Protein Accession#	NP_000195
Gene Name	CFI
Gene Alias	C3B-INA, FI, IF, KAF
Gene Description	complement factor I
Omim ID	217030
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a serine proteinase that is essential for regulating the complement cascade. T he 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 t he complement components C4b and C3b, and it prevents the assembly of the C3 and C5 conver tase enzymes. Defects in this gene cause complement factor I deficiency, an autosomal recessiv e disease associated with a susceptibility to pyogenic infections. Mutations in this gene have bee n associated with a predisposition to atypical hemolytic uraemic syndrome, a disease characteriz ed by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glo merulonephritis with immmune deposits is another condition associated with mutation of this gen e. [provided by RefSeq
Other Designations	C3B/C4B inactivator|C3b-inactivator|I factor (complement)|Konglutinogen-activating factor|comple ment component I|complement control protein factor I|light chain of factor I

Pathway

- Complement and coagulation cascades

Disease

- Alcoholism
- Genetic Predisposition to Disease
- Hemolytic-Uremic Syndrome
- Macular Degeneration
- Recurrence
- Tobacco Use Disorder