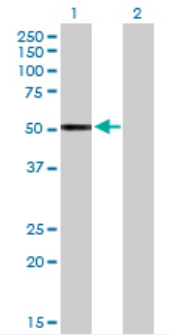
MaxPab®

CFI purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003426-D01P Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CFI expression in transfected 293T cell line (H00003426-T02) by CFI MaxPab polyclonal antibody.

Lane 1: CFI transfected lysate(42.40 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CFI protein.
Immunogen	CFI (AAH20718.1, 1 a.a. ~ 377 a.a) full-length human protein.
Sequence	MKLLHVFLLFLCFHLRFCKVTYTSQEDLVEKKCLAKKYTHLSCDKVFCQPWQRCIEGTCVCKLPY QCPKNGTAVCATNRRSFPTYCQQKSLECLHPGTKFLNNGTCTAEGKFSVSLKHGNTDSEGIVEV KLVDQDKTMFICKSSWSMREANVACLDLGFQQGADTQRRFKLSDLSINSTECLHVHCRGLETSL AECTFTKRRTMGYQDFADVVCYTQKADSPMDDFFQCVNGKYISQMKACDGINDCGDQSDELCC KACQGKGFHCKSGVCIPSQYQCNGEVDCITGEDEVGCAGFASVAQEETEILTADMDAERRRIKSL LPKLSCGVKNRMHIRRKRIVGGKRAQLGKMKQISLDIFKGLHRVYAILEFCCIILK
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of CFI expression in transfected 293T cell line (H00003426-T02) by CFI MaxPab polyclonal antibody.

  Lane 1: CFI transfected lysate(42.40 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

Gene Info — CFI

Entrez GeneID	3426
GeneBank Accession#	BC020718.1
Protein Accession#	AAH20718.1
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. 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 immmune deposits is another condition associated with mutation of this gene. [provided by RefSeq
Other Designations	C3B/C4B inactivator|C3b-inactivator|I factor (complement)|Konglutinogen-activating factor|complement 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