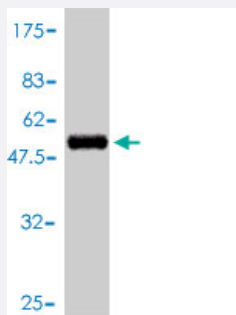


C4BPB polyclonal antibody (A01)

Catalog # H00000725-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (53.72 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant C4BPB.
Immunogen	C4BPB (AAH05378, 1 a.a. ~ 251 a.a) full-length recombinant protein with GST tag.
Sequence	MFFWCACCLMVAWRVSASDEHCPELPPVDNSIFVAKEVEGQILGTVCIKGYHLVGKKTLCNA SKEWDNTTTECRLGHCPDVLVNGEFSSSGPVNVSDKITFCNDHYILKGSNRSQCLEDHTWAP PFPICKSRDCDPPGNPVHGYFEGNNFTLGSTISYYCEDRYLVGVQEQQCVDGEWSSALPVCKLI QEAPKPECEKALLAFQESKNLCEAMENFMQQLKESGMTMEELKYSLELKKAELKAKLL
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (53.72 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 — C4BPB

Entrez GeneID [725](#)

GeneBank Accession# [BC005378](#)

Protein Accession# [AAH05378](#)

Gene Name C4BPB

Gene Alias C4BP

Gene Description complement component 4 binding protein, beta

Omim ID [120831](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. A single, unique beta-chain encoded by this gene assembles with seven identical alpha-chains into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. C4b-binding protein has a regulatory role in the coagulation system also, mediated through the beta-chain binding of protein S, a vitamin K-dependent protein that serves as a cofactor of activated protein C. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Alternative splicing gives rise to multiple transcript variants. [provided by RefSeq]

Other Designations C4b binding protein, beta chain|OTTHUMP00000034288|OTTHUMP00000034289|OTTHUMP0000034375|complement component 4 binding protein, beta chain|complement component 4-binding protein, beta

Publication Reference

- [The Surface Layer of *Tannerella forsythia* Contributes to Serum Resistance and Oral Bacterial Coaggregation.](#)

Shimotahira N, Oogai Y, Kawada-Matsuo M, Yamada S, Fukutsuji K, Nagano K, Yoshimura F, Noguchi K, Komatsuzawa H. Infection and Immunity 2013 Jan; 81(4):1198.

Application: IF, Bacteria, T. forsythia and the S-layer-deficient mutant

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Tobacco Use Disorder](#)
- [Venous Thrombosis](#)