

RecomAb™

C4BPB recombinant monoclonal antibody, clone R02-8F3

Catalog # RAB06005 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human C4BPB.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human C4BPB.
Theoretical MW (kDa)	Calculated MW: 28 kD
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunofluorescence (1/50-1/200) Immunohistochemistry (1/50-1/100) Immunoprecipitation (1/20) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

Gene Info — C4BPB

Entrez GeneID [725](#)

Protein Accession# [P20851](#)

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

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](#)