

C4BPB rabbit monoclonal antibody

Catalog # H00000725-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human C4BPB peptide using ARM Technology.
Immunogen	A synthetic peptide of human C4BPB is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human C4BPB peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — C4BPB

Entrez GeneID	725
GeneBank Accession#	C4BPB
Gene Name	C4BPB
Gene Alias	C4BP
Gene Description	complement component 4 binding protein, beta
Omim ID	120831
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
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](#)