

Rabbit anti-Human C4BPB Polyclonal Antibody | anti-C4BPB antibody

C4BPB Antibody (Center)

CATALOG # AAA288393	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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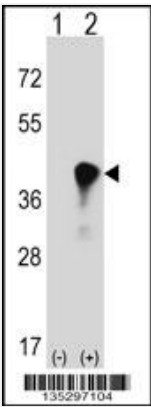
PRODUCT SYNONYMS

C4BPB; Polyclonal Antibody; C4BPB Antibody (Center); C4b-binding protein beta chain; anti-C4BPB antibody

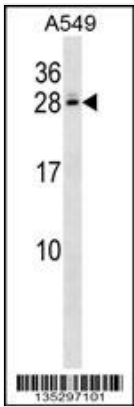
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This C4BPB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 125-153 amino acids from the Central region of human C4BPB.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Positions	125-153
Sequence Length	251
Applicable Applications for anti-C4BPB antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of C4BPB (arrow) using rabbit polyclonal C4BPB Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the C4BPB gene.



WB (Western Blot)
C4BPB Antibody (Center) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the C4BPB antibody detected the C4BPB protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-C4BPB antibody	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.
Product Categories/Family for anti-C4BPB antibody	Immunology
References	Han, S., et al. Hum. Immunol. 71(7):727-730(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Buil, A., et al. Blood 115(23):4644-4650(2010) Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502505
NCBI GeneID	725
NCBI Accession #	NP_000707.1; NP_001017364.1; NP_001017365.1; NP_001017366.1; NP_001017367.1
NCBI GenBank Nucleotide #	NM_000716.3
UniProt Accession #	P20851; Q5VVR0; Q9BS25; A5JYP8; D3DT81
Molecular Weight	28357
NCBI Official Full Name	C4b-binding protein beta chain isoform 1
NCBI Official Synonym Full Names	complement component 4 binding protein, beta

NCBI Official Symbol	C4BPB
NCBI Official Synonym Symbols	C4BP
NCBI Protein Information	C4b-binding protein beta chain
UniProt Protein Name	C4b-binding protein beta chain
UniProt Gene Name	C4BPB
UniProt Entry Name	C4BPB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/polyclonal/c4bpb-antibody-western-blot-elisa/288393>