

Rabbit anti-Human C4BPA / C4BP Alpha Polyclonal Antibody | anti-C4BPA antibody

Anti-C4BPA / C4BP Alpha Antibody (aa470-499) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52595	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

C4BPA / C4BP Alpha; Polyclonal Antibody; Anti-C4BPA / C4BP Alpha Antibody (aa470-499) IHC-plus; Rabbit Polyclonal to Human C4BPA / C4BP Alpha; Human C4BPA / C4BP Alpha; C4BP; PrP; Proline-rich protein; anti-C4BPA antibody

PRODUCT SPECIFICATIONS

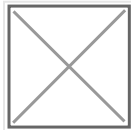
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	This C4BPA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 470-499 amino acids from the C-terminal region of human C4BPA.
Purity/Purification	Protein A purified.
Form/Format	PBS, 0.09% sodium azide
Sequence Length	597
Applicable Applications for anti-C4BPA antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	C4BPA / C4BP Alpha antibody was raised against KLH-conjugated synthetic peptide from C-terminal region of human C4BPA.
Immunogen Description	KLH-conjugated synthetic peptide from C-terminal region of human C4BPA.
Immunogen Type	Synthetic peptide
Target	C4BPA/C4BP Alpha
Epitope	aa470-499
Immunogen Species	Raised against human
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

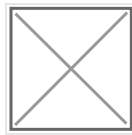
IMAGES



FCM/FACS (Flow Cytometry)
C4BPA Antibody flow cytometry of WiDr cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
C4BPA Antibody western blot of WiDr cell line lysates (35 ug/lane). The C4BPA antibody detected the C4BPA protein (arrow).



IHC (Immunohistochemistry)

Anti-C4BPA / C4BP antibody IHC staining of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-C4BPA antibody	C4BPA Antibody, C4BP Antibody, PrP Antibody, Proline-rich protein Antibody Description: C4BPA / C4BP Alpha is a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. Along with a single, unique beta-chain, seven identical alpha-chains encoded by this gene assemble into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502503
NCBI GeneID	722
NCBI Accession #	NP_000706.1
NCBI GenBank Nucleotide #	NM_000715.3
UniProt Accession #	P04003; Q5VVQ8
NCBI Official Full Name	C4b-binding protein alpha chain
NCBI Official Synonym Full Names	complement component 4 binding protein, alpha
NCBI Official Symbol	C4BPA
NCBI Official Synonym Symbols	PRP; C4BP
NCBI Protein Information	C4b-binding protein alpha chain
UniProt Protein Name	C4b-binding protein alpha chain
UniProt Gene Name	C4BPA
UniProt Synonym Gene Names	C4BP; C4bp; PRP
UniProt Entry Name	C4BPA_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/c4bpa-c4bp-alpha-antibody-flow-cytometry-western-blot-immunohistochemistry-elisa/52595>