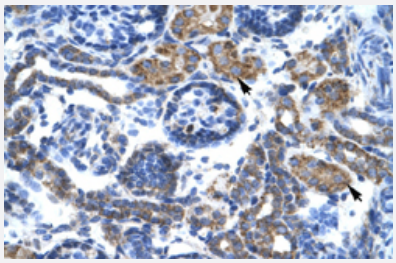
C4BPB polyclonal antibody

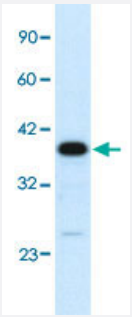
Catalog # PAB29985 Size 100 uL

Applications



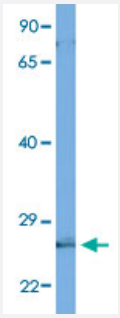
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with C4BPB polyclonal antibody (Cat # PAB29985) at 4-8 ug/mL working concentration.



Western Blot (Tissue lysate)

Western Blot analysis of human fetal liver tissue lysate with C4BPB polyclonal antibody (Cat # PAB29985) at 0.2-1 ug/mL working concentration.



Western Blot (Cell lysate)

Western Blot analysis of 721 B lymphoblast cell lysate with C4BPB polyclonal antibody (Cat # PAB29985) at 1 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human C4BPB.
Immunogen	A synthetic peptide corresponding to N-terminus of human C4BPB.

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Sequence	CCLMVAWRVSASDAEHCPELPPVDNSIFVAKEVEGQILGTYVCIKGYHLV
Host	Rabbit
Theoretical MW (kDa)	28
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% 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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with C4BPB polyclonal antibody (Cat # PAB29985) at 4-8 ug/mL working concentration.

- Western Blot (Tissue lysate)

  Western Blot analysis of human fetal liver tissue lysate with C4BPB polyclonal antibody (Cat # PAB29985) at 0.2-1 ug/mL working concentration.

- Western Blot (Cell lysate)

  Western Blot analysis of 721 B lymphoblast cell lysate with C4BPB polyclonal antibody (Cat # PAB29985) at 1 ug/mL working concentration.

Gene Info — C4BPB

Entrez GeneID	725
GeneBank Accession#	NM_000716
Protein Accession#	NP_000707;P20851

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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 e ncoded 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 thro ugh the classical pathway. C4b-binding protein has a regulatory role in the coagulation system als o, mediated through the beta-chain binding of protein S, a vitamin K-dependent protein that serve s as a cofactor of activated protein C. The genes encoding both alpha and beta chains are locate d 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|OTTHUMP00000034375|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

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- Tobacco Use Disorder
- Venous Thrombosis

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