

Rabbit C4B Polyclonal Antibody | anti-C4B antibody

C4B antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199006	Rabbit	Tested: Human Predicted: Dog, Guinea Pig, Horse, Mouse, Pig, Rat	Western Blot

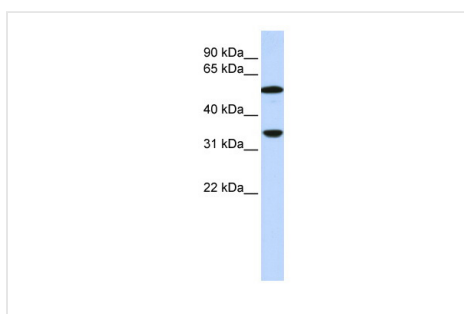
PRODUCT SYNONYMS

C4B; Polyclonal Antibody; C4B antibody - N-terminal region; anti-C4B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested: Human Predicted: Dog, Guinea Pig, Horse, Mouse, Pig, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: QT DQPIYNPGQR VRYRVFALDQ KMRPSTDTIT VMVENSHGLR VRKKEVYM
Sequence Length	1744
Applicable Applications for anti-C4B antibody	WB (Western Blot)
Homology	Dog: 92%; Guinea Pig: 92%; Horse: 100%; Human: 100%; Mouse: 79%; Pig: 93%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human C4B
Protein Size (#AA)	1744 amino acids
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-C4B Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Hela cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-C4B antibody	This is a rabbit polyclonal antibody against C4B. It was validated on Western Blot using a cell lysate as a positive control. Target Description: C4B is the basic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. This gene encodes the basic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene. In addition, this gene exists as a long form and a short form due to the presence or absence of a 6.4 kb endogenous HERV-K retrovirus in intron 9. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-C4B antibody	Polyclonal; Lymphocyte Signaling; Tissue Specific & Cell Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	178557739
NCBI GeneID	721
NCBI Accession #	NP_001002029
NCBI GenBank Nucleotide #	NM_001002029
UniProt Accession #	Q6U2E9; P0C0L5
Molecular Weight	193kDa
NCBI Official Full Name	complement C4-B preproprotein
NCBI Official Synonym Full Names	complement C4B (Chido blood group)
NCBI Official Symbol	C4B
NCBI Official Synonym Symbols	CH; C4F; CO4; C4B1; C4B2; C4B3; C4B5; C4BD; C4B12; C4B_2; CPAMD3
NCBI Protein Information	complement C4-B

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.