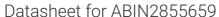
antibodies -online.com







anti-Complement Factor B antibody

Publication **Images**



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Overview		
Quantity:	100 μL	
Target:	Complement Factor B (CFB)	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Complement Factor B antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Immunogen:	Recombinant protein encompassing a sequence within the center region of human Factor B.	
	The exact sequence is proprietary.	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Characteristics:	Rabbit Polyclonal antibody to Factor B (complement factor B)	
	Factor B antibody [N2C2], Internal	
Purification:	Purified by antigen-affinity chromatography.	
Target Details		
Target:	Complement Factor B (CFB)	
Alternative Name:	complement factor B (CFB Products)	

Target Details

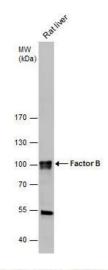
Background:	This gene encodes complement factor B, a component of the alternative pathway of	
	complement activation. Factor B circulates in the blood as a single chain polypeptide. Upon	
	activation of the alternative pathway, it is cleaved by complement factor D yielding the	
	noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease	
	which associates with C3b to form the alternative pathway C3 convertase. Bb is involved in the	
	proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation. This gene	
	localizes to the major histocompatibility complex (MHC) class III region on chromosome 6.	
	This cluster includes several genes involved in regulation of the immune reaction.	
	Polymorphisms in this gene are associated with a reduced risk of age-related macular	
	degeneration. The polyadenylation site of this gene is 421 bp from the 5' end of the gene for	
	complement component 2.	
	Cellular Localization: Secreted	
Molecular Weight:	86 kDa	
Gene ID:	629	
UniProt:	P00751	
Pathways:	Complement System, Proton Transport, Ribonucleoside Biosynthetic Process	
Application Details		
Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined	
	by the researcher. Not tested in other applications.	
Comment:	Validation: Orthogonal	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.87 mg/mL	
Buffer:	0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal	
Preservative:	Thimerosal (Merthiolate)	
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE	

which should be handled by trained staff only.

Handling

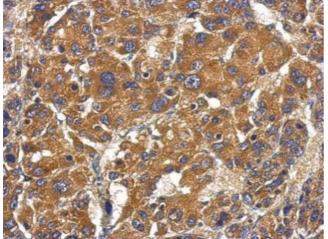
Storage:	4 °C,-20 °C	
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.	
Publications		
Product cited in:	Wei, Ngo, Wu, Lee: "Phosphorylation of the Ndc80 complex protein, HEC1, by Nek2 kinase modulates chromosome alignment and signaling of the spindle assembly checkpoint." in: Molecular biology of the cell, Vol. 22, Issue 19, pp. 3584-94, (2012) (PubMed).	

Images



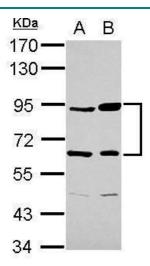
Western Blotting

Image 1. WB Image Factor B antibody [N2C2], Internal detects Factor B protein by western blot analysis. Rat tissue extracts (50 μ g) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Factor B antibody [N2C2], Internal, diluted at 1:3000.



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human hepatoma, using Factor B, antibody at 1:500 dilution.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Raji B: K562 7.5% SDS PAGE antibody diluted at 1:3000