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Anti-Factor B Antibody

Catalog # AP60137

Product Information

Application	WB
Primary Accession	P00751
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85533

Additional Information

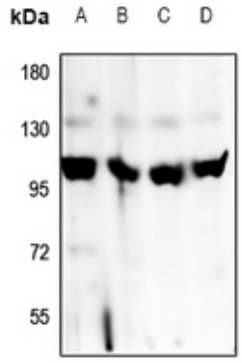
Gene ID	629
Other Names	BF; BFD; Complement factor B; C3/C5 convertase; Glycine-rich beta glycoprotein; GBG; PBF2; Properdin factor B
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Factor B. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CFB (HGNC:1037)
Synonyms	BF, BFD
Function	Precursor of the catalytic component of the C3 and C5 convertase complexes of the alternative pathway of the complement system, a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system (PubMed:3638964, PubMed:624565, PubMed:6554279, PubMed:6919543, PubMed:9748277). The alternative complement pathway acts as an amplification loop that enhances other complement pathways (classical, lectin and GZMK) by promoting formation of additional C3 and C5 convertases (PubMed:3638964, PubMed:624565, PubMed:6554279, PubMed:6919543, PubMed:9748277). CFB is cleaved and activated by CFD to generate Ba and Bb chains; Bb chain constituting the catalytic component of the C3 and C5 convertases (PubMed:6769474, PubMed:9748277).

Cellular Location Secreted.

Images



Western blot analysis of Factor B expression in A549 (A), HepG2 (B), PC12 (C), CT26 (D) whole cell lysates.
(Predicted band size: 85 kD; Observed band size: 110 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.