

## CFB Antibody

Catalog No: #42949

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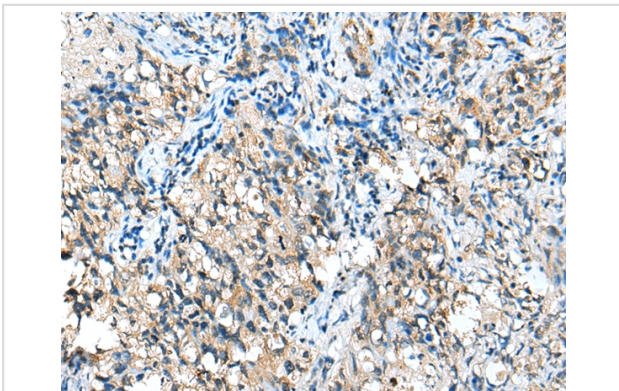
## Description

Product Name	CFB Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CFB protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human CFB
Target Name	CFB
Other Names	BF; FB; BFD; GBG; CFAB; CFBD; PBF2; AHUS4; FBI12; H2-Bf; ARMD14
Accession No.	Swiss-Prot#: P00751 Gene ID: 629
Uniprot	P00751
GeneID	629;
Concentration	0.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

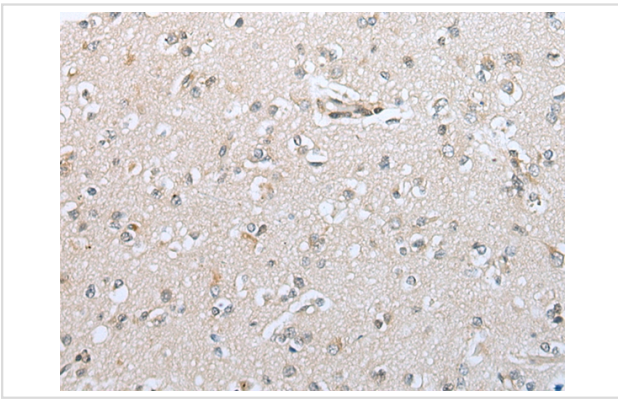
## Application Details

Immunohistochemistry: 1:25-1:100

## Images



Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using #42949 at dilution 1/25.



Immunohistochemical analysis of paraffin-embedded Human brain tissue using #42949 at dilution 1/25.

## 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.

Note: This product is for in vitro research use only