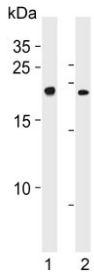
CBFB Antibody (F54434)

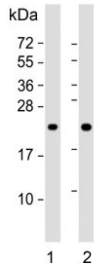
Catalog No.	Formulation	Size
F54434-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54434-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

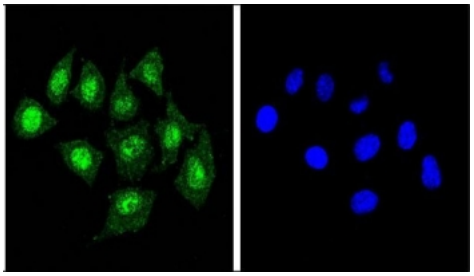
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q13951
Localization	Nuclear
Applications	Western Blot : 1:500-1:2000 Immunofluorescence : 1:25 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25
Limitations	This CBFB antibody is available for research use only.



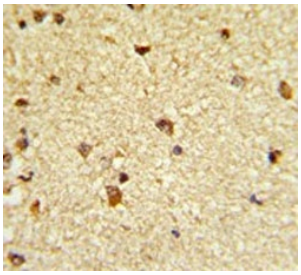
Western blot testing of 1) human K562 and 2) mouse lung lysate with CBFB antibody. Predicted molecular weight ~22 kDa.



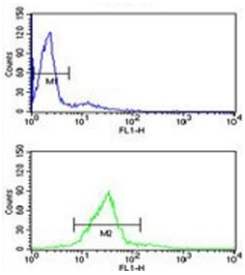
Western blot testing of human 1) Jukat and 2) Raji cell lysate with CBFB antibody. Predicted molecular weight ~22 kDa.



Immunofluorescent staining of human HEK293 cells with CBFB antibody (green) and DAPI nuclear stain (blue).



IHC testing of FFPE human brain tissue with CBFB antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HL60 cells with CBFB antibody; Blue=isotype control, Green= CBFB antibody.

Description

Core-binding factor subunit beta is the beta subunit of a heterodimeric core-binding transcription factor belonging to the PEBP2/CBF transcription factor family which master-regulates a host of genes specific to hematopoiesis (e.g., RUNX1) and osteogenesis (e.g., RUNX2). The beta subunit is a non-DNA binding regulatory subunit; it allosterically enhances DNA binding by alpha subunit as the complex binds to the core site of various enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers and GM-CSF promoters.

Application Notes

The stated application concentrations are suggested starting points. Titration of the CBFB antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 61-90 from the human protein was used as the immunogen for the CBFB antibody.

Storage

Aliquot the CBFB antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.