For Research Use Only

CBFB Monoclonal antibody, PBS Only

Catalog Number:67885-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
67885-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG31183

GenBank Accession Number:
BC018509

GeneID (NCBI):
865

UNIPROT ID:
Q13951

Full Name:
core-binding factor, beta subunit

Calculated MW:
182 aa, 22 kDa

Purification Method:
Protein G purification

CloneNo.:
1D7F2

Applications

Tested Applications:
Indirect ELISA, WB

Species Specificity:
rat, human

Background Information

CBFB (core binding factor subunit β), forms the heterodimeric complex core-binding factor (CBF). As a critical transcription factor, CBFB is frequently mutated in breast cancer and considered to be of significance in the pathogenesis of cancer.(PMID: 29932212) The heterodimers bind to the core site of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL3 and GM-CSF promoters.) It has calculated molecular weight around 22kDa.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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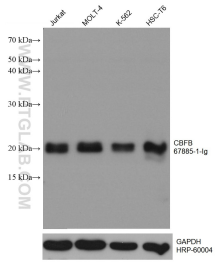
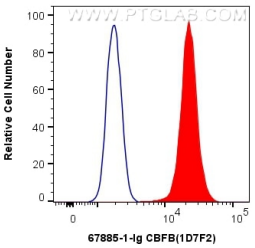
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67885-1-Ig (CBFB antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67885-1-PBS in a different storage buffer formulation.



1X10^6 K-562 cells were intracellularly stained with 0.5 ug Anti-Human CBFB (67885-1-Ig, Clone:1D7F2) (red) labeled with FlexAble CoraLite® Plus 555 Antibody Labeling Kit for Mouse IgG1 (KFA022), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 67885-1-PBS in a different storage buffer formulation.