CBFb Rabbit mAb

Catalog No: #49954

Package Size: #49954-1 50ul #49954-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

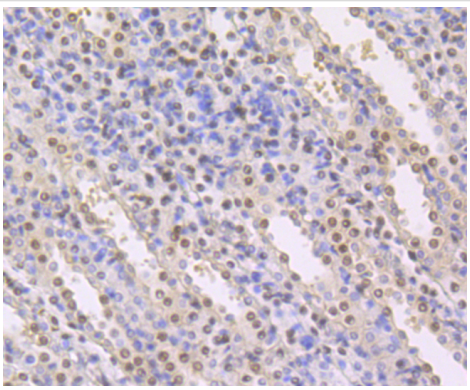
Description

Product Name	CBFb Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG39-35
Purification	ProA affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Rt
Immunogen Description	Recombinant protein within human CBFb aa 1-200.
Other Names	CBF b antibody CBF beta antibody CBF-beta antibody CBFB antibody CBFbeta antibody Core binding factor beta subunit antibody core binding factor subunit beta antibody Core-binding factor subunit beta antibody PEA 2 antibody PEA2 antibody PEA2 beta antibody PEA2-beta antibody PEA2beta antibody PEBB_HUMAN antibody PEBP 2B antibody PEBP2 beta antibody PEBP2-beta antibody PEBP2B antibody PEBP2beta antibody Polyomavirus enhancer binding protein 2 beta subunit antibody Polyomavirus enhancer-binding protein 2 beta subunit antibody SL3 3 enhancer factor 1 beta subunit antibody SL3 3 enhancer factor 1 subunit beta antibody SL3-3 enhancer factor 1 subunit beta antibody SL3/AKV core binding factor beta subunit antibody SL3/AKV core-binding factor beta subunit antibody
Accession No.	Swiss-Prot#:Q13951
Uniprot	Q13951
GeneID	865;
Calculated MW	22 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

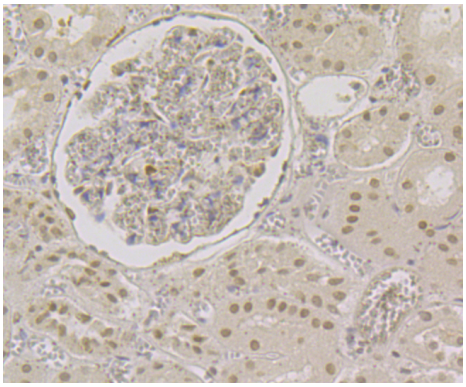
Application Details

IHC: 1:50-1:200FC: 1:50-1:100

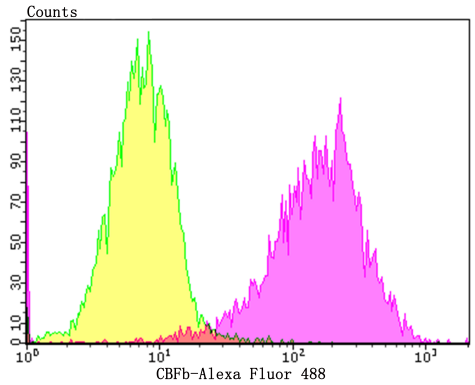
Images



Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-CBFb antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CBFb antibody. Counter stained with hematoxylin.



Flow cytometric analysis of SiHa cells with CBFb antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

The transcription factor Polyomavirus enhancer binding protein 2 (PEBP2), also designated Osf2 (Osteoblast-specific transcription factor), CBFA1 (Core Binding Factor) and AML3 (Acute myeloid leukemia), is composed of two subunits, a and b, which are essential for the regulation of hematopoiesis and osteogenesis. The PEBP2a subunits, PEBP2aA, PEBP2aB and PEBP2aC, are encoded by three RUNX genes, all of which contain a 128-amino acid region homologous to the highly conserved Drosophila segmentation gene, Runt. This region is involved in DNA binding and heterodimerization with the regulatory b subunit, which facilitates DNA binding of the a subunit. Both subunits are required for in vivo function; the disruption of either gene results in a lack of definitive hematopoiesis followed by embryo death in utero due to hemorrhage in the central nervous system. The gene encoding PEBP2b is the target of chromosomal inversion 16 (p13;q22) with the smooth muscle myosin heavy chain, producing a chimeric gene, PEBP2b/CBFB-SMMHC, that is associated with human acute myeloid leukemia.

References

Note: This product is for in vitro research use only