

Rabbit anti-Human, Rat CBFb Monoclonal Antibody | anti-CBFb antibody

CBFb Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312684	Rabbit	Human, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

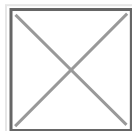
PRODUCT SYNONYMS

CBFb; Monoclonal Antibody; CBFb Antibody; 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; anti-CBFb antibody

PRODUCT SPECIFICATIONS

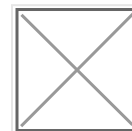
Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Clone Number	JG39-35
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CBFb antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein within human CBFb aa 1-200.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



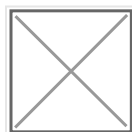
FCM/FACS (Flow Cytometry)

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.



IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CBFB antibody	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.
Product Categories/Family for anti-CBFB antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	13124873
NCBI GeneID	865
NCBI Accession #	NP_001746.1
NCBI GenBank Nucleotide #	NM_001755.2
UniProt Accession #	Q13951; Q13124; Q9HCT2; A8K347
Molecular Weight	21,508 Da
NCBI Official Full Name	core-binding factor subunit beta isoform 2
NCBI Official Synonym Full Names	core-binding factor, beta subunit
NCBI Official Symbol	CBFB
NCBI Official Synonym Symbols	PEBP2B
NCBI Protein Information	core-binding factor subunit beta; CBF-beta; PEA2-beta; PEBP2-beta; SL3-3 enhancer factor 1 beta subunit; SL3-3 enhancer factor 1 subunit beta; SL3/AKV core-binding factor beta subunit; polyomavirus enhancer-binding protein 2 beta subunit; polyomavirus enh
UniProt Protein Name	Core-binding factor subunit beta
UniProt Gene Name	CBFB
UniProt Synonym Gene Names	CBF-beta; PEA2-beta; PEBP2-beta
UniProt Entry Name	PEBB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.