

CBFb polyclonal antibody

Catalog: BS90204

Host: Rabbit

Reactivity: Human, Rat

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

22 kDa

Swiss-Prot:

Q13951(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500

IHC:1:50-1:200

FC:1:50-1:100

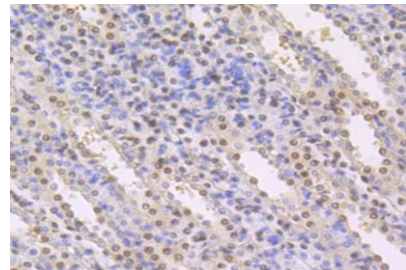
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

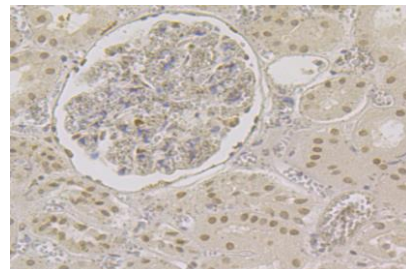
Specificity:

CBFb polyclonal antibody detects endogenous levels of CBFb protein.

DATA:



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.

Note:

For research use only, not for use in diagnostic procedure.

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