

**CBFB antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI16220****Specification**

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**CBFB antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O13951</a>
Other Accession	<a href="#">NM_001755</a> , <a href="#">NP_001746</a>
Reactivity	Rat, Rabbit, Bovine, Dog
Predicted	Rat, Rabbit, Chicken, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22kDa KDa

**CBFB antibody - N-terminal region - Additional Information****Gene ID** 865**Alias Symbol** **PEBP2B****Other Names**

Core-binding factor subunit beta, CBF-beta, Polyomavirus enhancer-binding protein 2 beta subunit, PEA2-beta, PEBP2-beta, SL3-3 enhancer factor 1 subunit beta, SL3/AKV core-binding factor beta subunit, CBFB

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-CBFB antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

CBFB antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**CBFB antibody - N-terminal region - Protein Information****Name** CBFB**Function**

Forms the heterodimeric complex core-binding factor (CBF) with RUNX family proteins (RUNX1, RUNX2, and RUNX3). RUNX members modulate the transcription of their target genes through recognizing the core consensus binding sequence 5'-TGTGGT-3', or very rarely, 5'-TGCGGT-3', within their regulatory regions via their runt domain, while CBFB is a non-DNA-binding regulatory subunit that allosterically enhances the sequence-specific DNA-binding capacity of RUNX. 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. CBF complexes repress ZBTB7B transcription factor during cytotoxic (CD8+) T cell development. They bind to RUNX-binding sequence within the ZBTB7B locus acting as transcriptional silencer and allowing for cytotoxic T cell differentiation.

#### Cellular Location

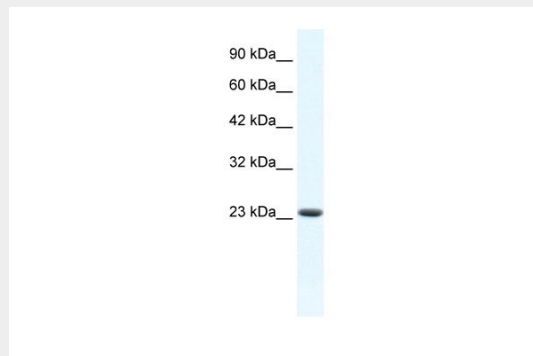
Nucleus {ECO:0000250|UniProtKB:Q08024}.

#### CBFB antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### CBFB antibody - N-terminal region - Images



WB Suggested Anti-CBFB Antibody Titration: 0.2-1  $\mu\text{g/ml}$   
Positive Control: K562 cell lysate