

Datasheet for ABIN5514455
anti-PEBB antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	PEBB
Binding Specificity:	N-Term
Reactivity:	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEBB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human PEBB
Sequence:	CRDGRSEIAF VATGTNLSLQ FFPASWQGEQ RQTPSREYVD LEREAGKVYL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PEBB. It was validated on Western Blot.
Purification:	Affinity purified

Target Details

Target:	PEBB
Alternative Name:	PEBB (PEBB Products)

Target Details

Background:	<p>The protein encoded by this gene is the beta subunit of a heterodimeric core-binding transcription factor belonging to the PEBP2/CBF transcription factor family which master-regulates a host of genes specific to hematopoiesis (e.g., RUNX1) and osteogenesis (e.g., RUNX2). The beta subunit is a non-DNA binding regulatory subunit, it allosterically enhances DNA binding by alpha subunit as the complex binds to the core site of various enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers and GM-CSF promoters. Alternative splicing generates two mRNA variants, each encoding a distinct carboxyl terminus. In some cases, a pericentric inversion of chromosome 16 [inv(16)(p13q22)] produces a chimeric transcript consisting of the N terminus of core-binding factor beta in a fusion with the C-terminal portion of the smooth muscle myosin heavy chain 11. This chromosomal rearrangement is associated with acute myeloid leukemia of the M4Eo subtype. Two transcript variants encoding different isoforms have been found for this gene.</p> <p>Alias Symbols: CBFB,</p> <p>Protein Interaction Partner: vif, CUL5, UBC, RAB2A, MYC, nef, APOBEC3G, RUNX1, ELAVL1, KMT2A, COPRS, RUNX3, MYOD1, CHGB, CBFA2T2, RUNX2, CBFB, C1QBP,</p> <p>Protein Size: 182</p>
-------------	---

Gene ID:	865
UniProt:	Q13951

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

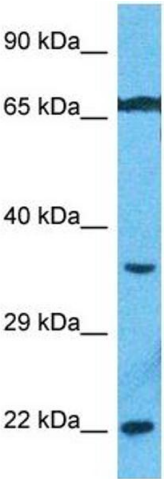
Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: PEBB Sample Type: MCF7 Whole Cell lysates Antibody Dilution: 1.0ug/ml