

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66649-1-Ig	<b>GenBank-Zugangsnummer:</b> BC007538	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 150ul , Konzentration: 1400 µg/ml von1051 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 1051	<b>CloneNo.:</b> 2B6E10
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> CCAAT/enhancer binding protein (C/EBP), beta	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:6000 IHC 1:150-1:600
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 345 aa, 36 kDa	
<b>Immunogen Katalognummer:</b> AG20073	<b>Beobachtete Masse:</b> 40-45 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, WB, ELISA	<b>Positivkontrollen:</b>
<b>In Publikationen genannte Anwendungen:</b> WB	<b>WB :</b> HeLa-Zellen, HepG2-Zellen, L02-Zellen
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>IHC :</b> humanes Lungenkarzinomgewebe,
<b>Zitierte Arten:</b> Affe, Human	

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

CCAAT/enhancer-binding protein beta (CEBPB), also known as LAP, is a important transcriptional activator in the regulation of genes involved in immune and inflammatory responses. It specifically binds to an IL-1 response element in the IL-6 gene. NF-IL6 also binds to regulatory regions of several acute-phase and cytokines genes. It probably plays a role in the regulation of acute-phase reaction, inflammation and hemopoiesis. The consensus recognition site is 5'-T[TG]NNGNAA[TG]-3'. Functions in brown adipose tissue (BAT) differentiation By similarity. Regulates the transcriptional induction of peroxisome proliferator-activated receptor gamma (PPARG). CEBPb mRNAs possess alternative translation-initiation codons, which result in the formation of truncated forms of the protein. All major isoforms of CEBPB (38, 34, and 20 kDa) are expressed, with the 34 and 20kDa isoforms being more abundant in preovulatory follicles and further increased in corpora lutea (CL)(PMID:15647458).The truncated protein of 18 kDa (relative to the 30 kDa full-length protein that is known as LAP, or p30 CEBPb or liver-activating protein) lacks a transactivation domain,also known as LIP (p19 CEBPb or liver-inhibitory protein), can form homodimers or heterodimerize with other family members and, as it lacks the transactivation domain, can attenuate the transcriptional activation properties of the other isoforms.(10051447). Three variants ofCEBPBs have been detected in many cell types: a 46 kDa full-length liver-enriched transcription-activating protein (LAP1), a 42 kDa LAP2 and a 20-kDa liver-enriched transcription-inhibitory protein (LIP). These variants are the result of an alternative translation initiation due to a leaky ribosomal scanning mechanism.(PMID:18820298).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Weiyun Zhang	35628429	Int J Mol Sci	WB
Yu-Kun Yang	33648583	Stem Cell Res Ther	WB

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

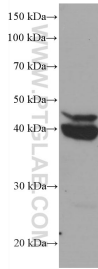
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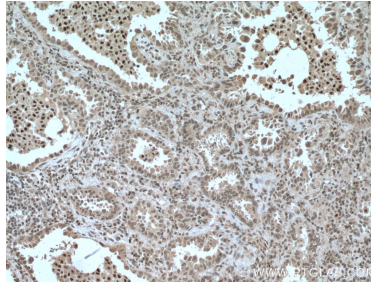
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## Ausgewählte Validierungsdaten



HeLa cells were subjected to SDS PAGE followed by western blot with 66649-1-Ig (CEBPB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66649-1-Ig (CEBPB antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).