abcam

Product datasheet

Anti-CEBP Beta antibody [18F8] ab15049

8 References 2 Images

Overview

Product name Anti-CEBP Beta antibody [18F8]

Description Mouse monoclonal [18F8] to CEBP Beta

Host species Mouse

Specificity Ab15049 only detects the LAP* isoform of CEBPG beta.

Tested applications Suitable for: WB, ICC/IF

Species reactivity Reacts with: Mouse

Immunogen Synthetic peptide corresponding to Mouse CEBP Beta aa 1-19 conjugated to Keyhole Limpet

Haemocyanin (KLH).

Sequence:

MHRLLAWDAACLPPPPAAF

(Peptide available as ab39810)

Run BLAST with
Run BLAST with

Positive control Transfected 293T cells, P388D1 cells.

General notesThe Life Science industry has been in the grips of a reproducibility crisis for a number of years.

Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets

your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be

found below, along with publications, customer reviews and Q&As

Properties

Form Liquid

Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

Storage buffer Preservative: 0.05% Sodium azide

Constituents: 99% PBS, 0.1% BSA

Purity Protein G purified

Clonality Monoclonal

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Clone number 18F8 Isotype IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab15049 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 2 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 36 kDa).Can be blocked with Mouse CEBP Beta peptide (ab39810) .
ICC/IF		Use at an assay dependent concentration.

Target

Function

Important transcriptional activator in the regulation of genes involved in immune and inflammatory responses. 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.

Tissue specificity

Expressed at low levels in the lung, kidney and spleen.

Sequence similarities

Belongs to the bZIP family. C/EBP subfamily.

Contains 1 bZIP domain.

Domain

the 9aaTAD motif is a transactivation domain present in a large number of yeast and animal

transcription factors.

Post-translational modifications

Sumoylated by polymeric chains of SUMO2 or SUMO3.

Cellular localization

Nucleus.

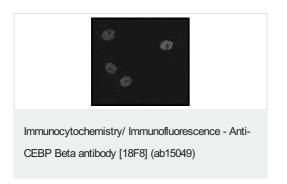
Images



Western blot - Anti-CEBP Beta antibody [18F8]

(ab15049)

Western blot of the CEBP Beta using ab15049 on transfected CEBP beta.



Immunofluorescence staining of CEBP beta in P388D1 cells using ab15049.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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