

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)
Positive control	Transfected 293T cells, P388D1 cells.
General notes	<p>The 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.</p> <p>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</p>

 [Run BLAST with](#)

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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

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 of the CEBP Beta using ab15049 on transfected CEBP beta.



Immunofluorescence staining of CEBP beta in P388D1 cells using ab15049.

Immunocytochemistry/ Immunofluorescence - Anti-CEBP Beta antibody [18F8] (ab15049)

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