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[Marker Primary Antibody]

Rabbit Anti-Phospho-CEBP beta (Thr188 + Thr235)/FITC Conjugated antibody

Catalog Number: SL13820R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Phospho-CEBP beta (Thr188 + Thr235)/FITC
Immunogen:	KLH conjugated synthesised phosphopeptide derived from human CEBP beta around the phosphorylation site of Thr188 + Thr235
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 ICC/IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat)
Background:	background: The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers with the related proteins CEBP alpha, CEBP delta, and CEBP gamma. The encoded protein is important in the regulation of genes involved in immune and inflammatory responses and has been shown to bind to the IL1 response element in the IL6 gene, as well as to regulatory regions of several acute-phase and cytokine genes. In addition, the encoded protein can bind the promoter and upstream element and stimulate the expression of the collagen type I gene. **Function:** Important transcriptional activator in the regulation of genes involved in immune and inflammatory responses. Specifically binds to an IL-1

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	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. **Subcellular Location:** Nucleus. **Tissue Specificity:** Expressed at low levels in the lung, kidney and spleen. **Post-translational modifications:** Sumoylated by polymeric chains of SUMO2 or SUMO3. **Similarity:** Belongs to the bZIP family. C/EBP subfamily. Contains 1 bZIP domain. **Database links:** **Entrez Gene:** 1051 Human **Entrez Gene:** 12608 Mouse **Entrez Gene:** 24253 Rat Omim: 189965 Human **SwissProt:** P17676 Human **SwissProt:** P28033 Mouse **SwissProt:** P21272 Rat **Unigene:** 517106 Human **Unigene:** 719041 Human **Unigene:** 720603 Human **Unigene:** 439656 Mouse **Unigene:** 6479 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.