



C/EBP β Monoclonal Antibody

Catalog No	YP-mAb-01580
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CEBPB
Immunogen	The antiserum was produced against synthesized peptide derived from human C/EBP-beta. AA range:201-250
Specificity	C/EBP β Monoclonal Antibody detects endogenous levels of C/EBP β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	C/EBP delta;C/EBP related protein 3;CCAAT/enhancer binding protein (C/EBP) delta;CCAAT/enhancer binding protein delta;CCAAT/enhancer-binding protein delta;CEBP D;CEBPD;CEBPD_HUMAN;CELF;Crp 3;Crp3;NF IL6 beta;NF-IL6-beta;Nuclear factor NF IL6 beta;Nuclear factor NF-IL6-beta;C/EBP epsilon;CCAAT/enhancer binding protein (C/EBP) epsilon;CCAAT/enhancer binding protein epsilon;CCAAT/enhancer-binding protein epsilon;CEBPE;CEBPE_HUMAN;CRP 1;CRP1;C/EBP β ;CEBPB;CCAAT/enhancer-binding protein beta;LAP;TCF5;PP9092;C/EBP beta;Liver activator protein;Nuclear factor NF-IL6;Transcription factor 5;TCF-5
Observed Band	36kD
Calculated Molecular Weight	36kD
Cell Pathway	Nucleus . Cytoplasm . Translocates to the nucleus when phosphorylated at Ser-288. In T-cells when sumoylated drawn to pericentric heterochromatin thereby allowing proliferation (By similarity). .
Tissue Specificity	Expressed at low levels in the lung, kidney and spleen.



Function

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'. PTM: Sumoylated by polymeric chains of SUMO2 or SUMO3. similarity: Belongs to the bZIP family. similarity: Belongs to the bZIP family. C/EBP subfamily. similarity: Contains 1 bZIP domain. subunit: Binds DNA as a dimer and can form stable heterodimers with C/EBP alpha, delta and gamma. Interacts with TRIM28 and PTGES2. tissue specificity: Expressed at low levels in the lung, kidney and spleen.

Background

This intronless gene encodes a transcription factor that contains a basic leucine zipper (bZIP) domain. The encoded protein functions as a homodimer but can also form heterodimers with CCAAT/enhancer-binding proteins alpha, delta, and gamma. Activity of this protein is important in the regulation of genes involved in immune and inflammatory responses, among other processes. The use of alternative in-frame AUG start codons results in multiple protein isoforms, each with distinct biological functions. [provided by RefSeq, Oct 2013],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images