

Anti-CEBP Beta Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

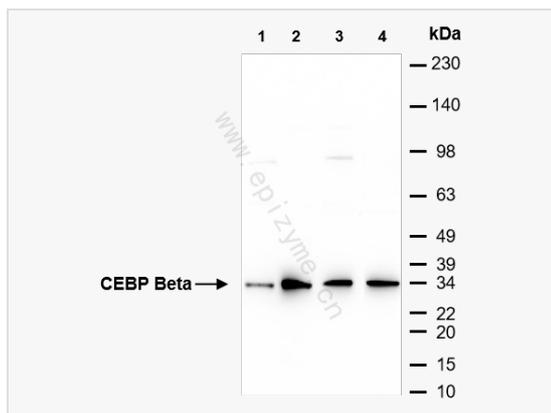
Catalog # R014222

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	45B53Q53
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human CEBP Beta
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CEBP Beta Rabbit mAb [45B53Q53] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AGP/EBP, C EBP beta, C/EBP beta, C/EBP related protein 2, CCAAT Enhancer Binding Protein beta, CCAAT/enhancer-binding protein beta, CEBPB, CEBPB_HUMAN, CRP2, IL 6DBP, IL6DBP, Interleukin 6 dependent binding protein, LAP, Liver activator protein, Liver enriched transcriptional activator, NF IL6, NFIL6, Nuclear factor NF IL6, Nuclear factor NF-IL6, SF B, SFB, Silencer factor B, TCF-5, TCF5, Transcription factor 5.
Calculated MW	Calculated MW: 36 kDa; Observed MW: 33 kDa
Uniprot ID	P17676
Gene ID	1051
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 IL-1 response element in the IL-6 gene, as well as to regulatory regions of several acute-phase and cytokine genes.
Cellular Location	Nucleus.
Tissue Location	Expressed at low levels in the lung, kidney and spleen.



Western Blot - Anti-CEBP Beta Rabbit mAb [45B53Q53]

All lanes: R014222 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 4: Rat heart whole tissue lysates

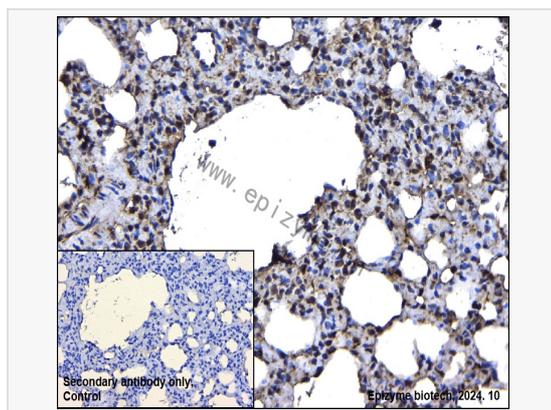
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 36 kDa

Observed band size: 33 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-CEBP Beta Rabbit mAb [45B53Q53]

Sample: Paraformaldehyde-fixed, paraffin embedded rat lung tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014221 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.