

CEBP Alpha/CEBPA Rabbit mAb

Catalog No.: A28826 **Recombinant**

Basic Information

Observed MW

36 kDa/42 kDa

Calculated MW

25-41 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IF-F,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC81529

Background

This intronless gene encodes a transcription factor that contains a basic leucine zipper (bZIP) domain and recognizes the CCAAT motif in the promoters of target genes. The encoded protein functions in homodimers and also heterodimers with CCAAT/enhancer-binding proteins beta and gamma. Activity of this protein can modulate the expression of genes involved in cell cycle regulation as well as in body weight homeostasis. The use of alternative in-frame non-AUG (CUG) and AUG start codons results in several protein isoforms with different lengths. Differential translation initiation is mediated by an out-of-frame, upstream open reading frame which is located between the CUG and the first AUG start codons.

Recommended Dilutions

WB 1:5000 - 1:20000

IF/ICC 1:200 - 1:2000

IF-F 1:200 - 1:2000

IHC-P 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

12606

Swiss Prot

P53566

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

Cebp; CBF-A; C/ebpalpha

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

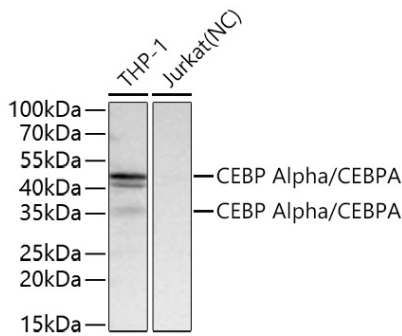
Contact

 | 400-999-6126

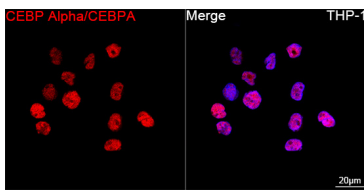
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

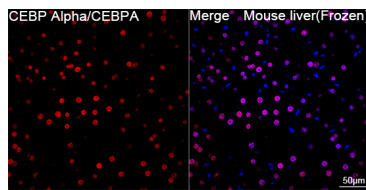
Validation Data



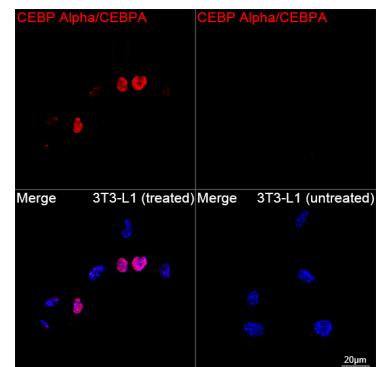
Western blot analysis of various lysates using CEBP Alpha/CEBPA Rabbit mAb (A28826) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Negative control (NC): Jurkat.
 Exposure time: 1 s.



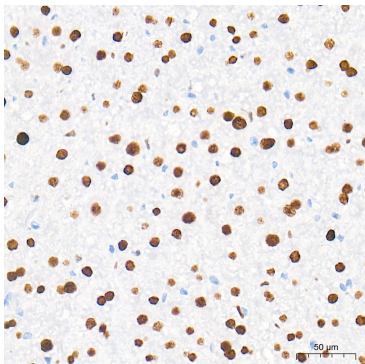
Confocal imaging of THP-1 cells using CEBP Alpha/CEBPA Rabbit mAb (A28826, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



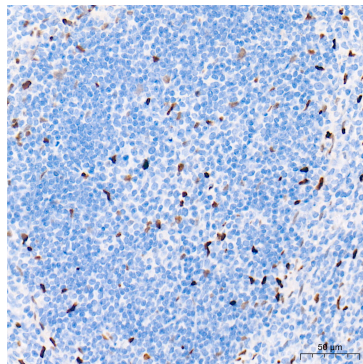
Confocal imaging of frozen sections of Mouse liver tissue using CEBP Alpha/CEBPA Rabbit mAb (A28826, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



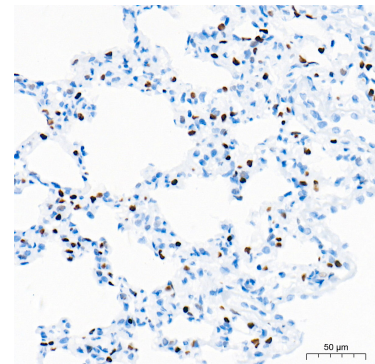
Confocal imaging of 3T3-L1 differentiated cells and 3T3-L1 cells using CEBP Alpha/CEBPA Rabbit mAb (A28826, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using CEBP Alpha/CEBPA Rabbit mAb (A28826) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CEBP Alpha/CEBPA Rabbit mAb (A28826) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using CEBP Alpha/CEBPA Rabbit mAb (A28826) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.