Elabscience®

CEBPA Polyclonal Antibody

Catalog No.	E-AB-64040	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
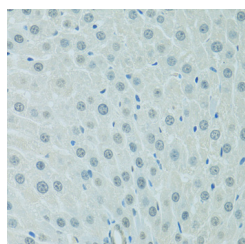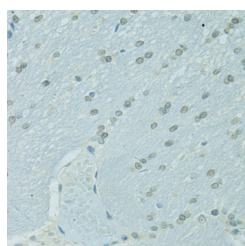
Images
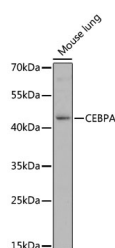
Western blot analysis of extracts of Mouse lung using CEBPA Polyclonal Antibody at dilution of 1:1000.

Immunohistochemistry of paraffin-embedded Rat liver using CEBPA Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded Rat brain using CEBPA Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunogen Information

Immunogen	Recombinant fusion protein of human CEBPA (NP_004355.2).
GeneID	1050
Swissprot	P49715
Synonyms	CEBPA,C/EBP-alpha,CEBP

Product Information

Calculated MW	25kDa/35kDa/37kDa/41kDa
Observed MW	41kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200

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. Mutation of this gene is associated with acute myeloid leukemia. The use of alternative in-frame non-AUG (GUG) and AUG start codons results in protein isoforms with different lengths. Differential translation initiation is mediated by an out-of-frame, upstream open reading frame which is located between the GUG and the first AUG start codons.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.