

Datasheet for ABIN683548
anti-CEBPA antibody (pSer21)



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Overview

Quantity:	100 µL
Target:	CEBPA
Binding Specificity:	pSer21
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEBPA antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human CDBP alpha around the phosphorylation site of Ser21
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	CEBPA
Alternative Name:	CEBP alpha (CEBPA Products)

Target Details

Background:	Synonyms: Apoptotic cysteine protease, Apoptotic protease Mch 5, C/EBP alpha, CAP4, Caspase 8 precursor, CCAAT Enhancer Binding Protein alpha, CEBP, CEBP A, CEBP alpha, CEBPA, FADD homologous ICE/CED 3 like protease, FADD like ICE, FLICE, ICE like apoptotic protease 5, ICE8, MACH, MCH5, MORT1 associated CED 3 homolog, CEBPA_HUMAN. Background: The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells. Mutations in this gene are frequently found in acute myeloid leukemia (AML).
Gene ID:	1050
Pathways:	Brown Fat Cell Differentiation , Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	ELISA 1:500-1000 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Handling

Expiry Date: 12 months