

Datasheet for ABIN2792649
anti-CEBPA antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	CEBPA
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEBPA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CEBPA
Sequence:	GGICEHETSI DISAYIDPAA FNDEFLADLF QHSRQQEKAK AAVGPTGGGG
Cross-Reactivity:	Cow (Bovine), Human, Mouse (Murine), Rat (Rattus)
Predicted Reactivity:	Cow: 100%, Guinea Pig: 90%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against CEBPA. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CEBPA
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Target Details

Alternative Name:	CEBPA (CEBPA Products)
Background:	CEBPA 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. It 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, CEBPA can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells. Alias Symbols: CEBP, C/EBP-alpha Protein Interaction Partner: CEBPB, ZBTB16, RARA, HDAC1, BHLHE41, UBC, CEBPE, BATF2, BATF3, YY1AP1, ATF5, BATF, FOSL1, FOS, DBP, CEBPG, CEBPA, ATF4, ATF3, UBE3A, SKP2, RASGRF1, C1QBP, CDKN1A, SRA1, CDK4, PIAS1, Fbxw7, GRIN3A, RAB34, NAA16, POLR1E, MRT04, AK5, MACF1, KAT5, AKAP9, SMC1 Protein Size: 358
Molecular Weight:	38 kDa
Gene ID:	1050
NCBI Accession:	NM_004364 , NP_004355
UniProt:	P49715
Pathways:	Brown Fat Cell Differentiation , Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	WB Suggested Anti-CEBPA Antibody Titration: 0.2-1 µg/mL Positive Control: HepG2 cell lysate. Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 358 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CEBPA Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate CEBPA is supported by BioGPS gene expression data to be expressed in HepG2