

Rabbit anti-Human CEBPA Polyclonal Antibody | anti-CEBPA antibody

CEBPA Antibody

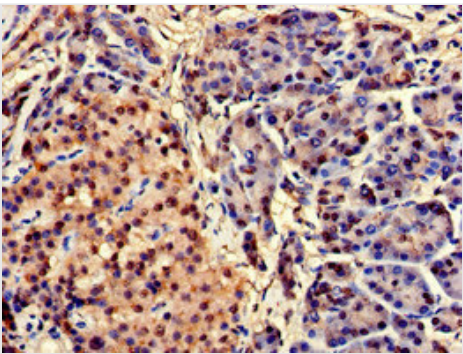
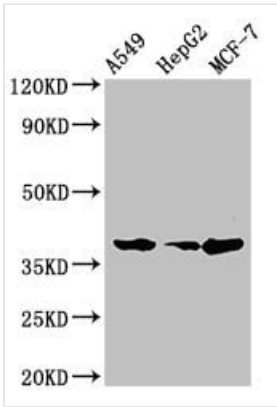
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232437	Rabbit	Human	Immunohistochemistry, ELISA

PRODUCT SYNONYMS

CEBPA; Polyclonal Antibody; CEBPA Antibody; CCAAT/enhancer-binding protein alpha; anti-CEBPA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	239
Applicable Applications for anti-CEBPA antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human CCAAT/enhancer-binding protein alpha protein (1-124AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-21820 / sc-365318 / sc-61 / sc-9314 / sc-9315
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human pancreatic tissue using AAA232437 at dilution of 1:100

WB (Western Blot)
Western BlotPositive WB detected in: A549 whole cell lysate,HepG2 whole cell lysate,MCF-7 whole cell lysateAll lanes: CEBPA antibody at 2ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 38,36,26,42 KDaObserved band size: 38 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-CEBPA antibody

Transcription factor that coordinates proliferation arrest and the differentiation of myeloid progenitors, adipocytes, hepatocytes, and cells of the lung and the placenta. Binds directly to the consensus DNA sequence 5'-T[TG]NNGNAA[TG]-3' acting as an activator on distinct target genes (PubMed: 11242107). During early embryogenesis, plays essential and redundant functions with CEBPB. Essential for the transition from common myeloid progenitors (CMP) to granulocyte/monocyte progenitors (GMP). Critical for the proper development of the liver and the lung (By similarity). Necessary for terminal adipocyte differentiation, is required for postnatal maintenance of systemic energy homeostasis and lipid storage (By similarity). To regulate these different processes at the proper moment and tissue, interplays with other transcription factors and modulators. Downregulates the expression of genes that maintain cells in an undifferentiated and proliferative state through E2F1 repression, which is critical for its ability to induce adipocyte and granulocyte terminal differentiation. Reciprocally E2F1 blocks adipocyte differentiation by binding to specific promoters and repressing CEBPA binding to its target gene promoters. Proliferation arrest also depends on a functional binding to SWI/SNF complex (PubMed: 14660596). In liver, regulates gluconeogenesis and lipogenesis through different mechanisms. To regulate gluconeogenesis, functionally cooperates with FOXO1 binding to IRE-controlled promoters and regulating the expression of target genes such as PCK1 or G6PC. To modulate lipogenesis, interacts and transcriptionally synergizes with SREBF1 in promoter activation of specific lipogenic target genes such as ACAS2. In adipose tissue, seems to act as FOXO1 coactivator accessing to ADIPOQ promoter through FOXO1 binding sites (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	551894998
NCBI GeneID	1050
NCBI Accession #	NP_001272758.1
NCBI GenBank Nucleotide #	NM_001285829.1
UniProt Accession #	P49715; P78319; Q05CA4; A7LNP2
Molecular Weight	41,249 Da
NCBI Official Full Name	CCAAT/enhancer-binding protein alpha isoform b
NCBI Official Synonym Full Names	CCAAT/enhancer binding protein alpha
NCBI Official Symbol	CEBPA
NCBI Official Synonym Symbols	CEBP; C/EBP-alpha
NCBI Protein Information	CCAAT/enhancer-binding protein alpha

UniProt Protein Name	CCAAT/enhancer-binding protein alpha
UniProt Gene Name	CEBPA
UniProt Synonym Gene Names	C/EBP alpha
UniProt Entry Name	CEBPA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cebpa-antibody-immunohistochemistry-elisa/232437>