Datasheet for ABIN7599996

anti-CEBPA antibody (AA 138-221)

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Overview

Quantity:	100 µg
Target:	CEBPA
Binding Specificity:	AA 138-221
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEBPA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-CEBP Alpha/CEBPA Antibody Picoband®
Immunogen:	E.coli-derived human CEBP Alpha/CEBPA recombinant protein (Position: Y138-Q221).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CEBP Alpha/CEBPA Antibody Picoband® (ABIN7599996). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CEBPA
Alternative Name:	CEBPA (CEBPA Products)
Background:	Synonyms: CCAAT/enhancer-binding protein alpha, C/EBP alpha, CEBPA, CEBP Tissue Specificity: Expressed in fetal brain. Background: CEBPA, CCAAT/enhancer-binding protein alpha is a protein that in humans is encoded by the CEBPA gene. The CEBPA gene is intronless. Using human/hamster somatic cell hybrids containing restricted fragments of human chromosome 19, the CEBPA gene is mapped to chromosome 19q13.1, between the GPI and TGFB1 genes. 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.
Molecular Weight:	42 kDa
Gene ID:	1050
UniProt:	P49715
Pathways:	Brown Fat Cell Differentiation, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Helbling, D., Mueller, B. U., Timchenko, N. A., Hagemeijer, A., Jotterand, M., Meyer-Monard, S., Lister, A., Rowley, J. D., Huegli, B., Fey, M. F., Pabst, T.The leukemic fusion gene AML1-MDS1-EVI1 suppresses CEBPA in acute myeloid leukemia by activation of calreticulin.Proc. Nat. Acad. Sci. 101: 13312-13317, 2004. 2. Hendricks-Taylor, L. R., Bachinski, L. L., Siciliano, M. J., Fertitta, A., Trask, B., de Jong, P. J., Ledbetter, D. H., Darlington, G. J.The CCAAT/enhancer binding protein (C/EBP-alpha) gene (CEBPA) maps to human chromosome 19q13.1 and the related nuclear factor NF-IL6 (C/EBP-beta) gene (CEBPB) maps to human chromosome 20q13.1.Genomics 14: 12-17, 1992. 3. Swart, G. W. M., van Groningen, J. J. M., van Ruissen, F., Bergers, M., Schalkwijk, J.Transcription factor C/EBP-alpha: novel sites of expression and cloning of the human gene.Biol. Chem. 378: 373-379, 1997.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.