

Rabbit anti-Human, Mouse CEBP Delta/CEBPD Polyclonal Antibody | anti-CEBPD antibody

Anti-CEBP Delta/CEBPD Antibody

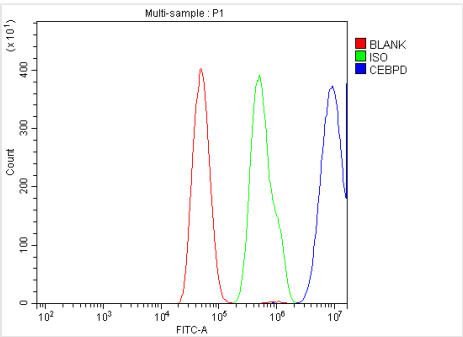
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125696	Rabbit	Human, Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

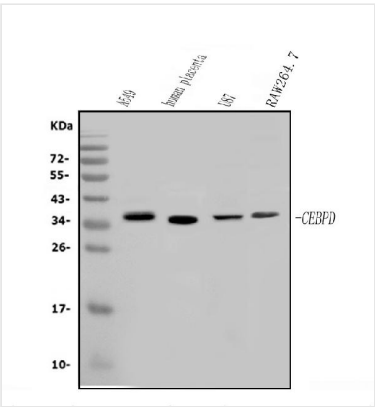
CEBP Delta/CEBPD; Polyclonal Antibody; Anti-CEBP Delta/CEBPD Antibody; Cebpd; Celf; CCAAT/enhancer-binding protein delta; C/EBP delta; Transcription factor CELF; CCAAT enhancer binding protein delta; anti-CEBPD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for CEBP Delta/CEBPD detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Applicable Applications for anti-CEBPD antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human CEBP Delta/CEBPD recombinant protein (Position: K213-R269).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of SiHa cells using anti-CEBP Delta/CEBPD antibody (AAA125696).Overlay histogram showing SiHa cells stained with AAA125696 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CEBP Delta/CEBPD Antibody (AAA125696, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of CEBP Delta/CEBPD using anti-CEBP Delta/CEBPD antibody (AAA125696).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human A549 whole cell lysatesLane 2: human placenta tissue lysatesLane 3: human U87 whole cell lysatesLane 4: mouse RAW264.7 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-CEBP Delta/CEBPD antigen affinity purified polyclonal antibody (Catalog # AAA125696) at 0. 5 μg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CEBP Delta/CEBPD at approximately 36KD. The expected band size for CEBP Delta/CEBPD is at 36KD.

ADDITIONAL INFORMATION

Related Product Information for anti-CEBPD antibody	CCAAT/enhancer-binding protein delta is a protein that in humans is encoded by the CEBPD gene. The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers with the related protein CEBP-alpha. The encoded protein is important in the regulation of genes involved in immune and inflammatory responses, and may be involved in the regulation of genes associated with activation and/or differentiation of macrophages. The cytogenetic location of this locus has been reported as both 8p11 and 8q11.
References	- Barbaro, V., Testa, A., Di Iorio, E., Mavilio, F., Pellegrini, G., De Luca, M. C/EBP-delta regulates cell cycle and self-renewal of human limbal stem cells. J. Cell Biol. 177: 1037-1049, 2007. - Cleutjens, C. B. J. M., van Eekelen, C. C. E. M., van Dekken, H., Smit, E. M. E., Hagemeijer, A., Wagner, M. J., Wells, D. E., Trapman, J. The human C/EBP-delta (CRP3/CELF) gene: structure and chromosomal localization. Genomics 16: 520-523, 1993. - Gigliotti, A. P., Johnson, P. F., Sterneck, E., DeWille, J. W. Nulliparous CCAAT/enhancer binding protein-delta (C/EBP-delta) knockout mice exhibit mammary gland ductal hyperlasia (sic). Exp. Biol. Med. 228: 278-285, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160332350
NCBI GeneID	1052
UniProt Accession #	P49716; Q14937; Q2M2X9
Molecular Weight	269
NCBI Official Full Name	CCAAT/enhancer-binding protein delta
NCBI Official Synonym Full Names	CCAAT/enhancer binding protein (C/EBP), delta
NCBI Official Symbol	CEBPD
NCBI Official Synonym Symbols	CELF; CRP3; C/EBP-delta; NF-IL6-beta

NCBI Protein Information	CCAAT/enhancer-binding protein delta; c/EBP delta; nuclear factor NF-IL6-beta
UniProt Protein Name	CCAAT/enhancer-binding protein delta
UniProt Gene Name	CEBPD
UniProt Synonym Gene Names	C/EBP delta; NF-IL6-beta
UniProt Entry Name	CEBPD_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/cebp-delta-cebpd-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125696>