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Datasheet for ABIN233849 anti-CEBPD antibody (N-Term)

1 Image

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Overview

Quantity:	100 µg
Target:	CEBPD
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEBPD antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to the amino terminus of mouse
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to the amino terminus of mouse C/EBP.
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Immunogen: Isotype: Specificity:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to the amino terminus of mouse C/EBP. Immunogen Type: RecombinantProtein IgG This product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific for mouse C/EBP delta protein. A BLAST analysis was used to suggest cross-reactivity with C/EBPd from human sources based on 100%
Immunogen: Isotype: Specificity:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to the amino terminus of mouse C/EBP. Immunogen Type: RecombinantProtein IgG This product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific for mouse C/EBP delta protein. A BLAST analysis was used to suggest cross-reactivity with C/EBPd from human sources based on 100% homology with the immunizing sequence. No cross-reactivity is observed with mouse C/EBPa
Immunogen: Isotype: Specificity:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to the amino terminus of mouse C/EBP. Immunogen Type: RecombinantProtein IgG This product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific for mouse C/EBP delta protein. A BLAST analysis was used to suggest cross-reactivity with C/EBPd from human sources based on 100% homology with the immunizing sequence. No cross-reactivity is observed with mouse C/EBPa or C/EBPb. Reactivity with C/EBPd from other sources has not been determined.

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Product Details

Characteristics:	This antibody is designed, produced, and validated as part of a collaboration with the National
	Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research.
	C/EBP proteins are DNA-binding proteins that are important transcriptional activators in the
	regulation of genes involved in immune and inflammatory responses and may play an
	important role in the regulation of the several genes associated with activation and/or
	differentiation of macrophages. Members of the C/EBP transcription factor family are related
	by a high degree of amino acid sequence identity to the basic leucine zipper DNA-binding
	domain and show distinct but overlapping patterns of tissue- and stage-restricted expression.
	Osada et al. identified the consensus binding site for the family as RTTGCGYAAY (R = A or G,
	and Y = C or T). Phosphorylation of C/EBPd may increase binding activity, whereas
	phosphorylation of the a and b family members may decrease binding affinity. C/EBPd is a
	nuclear protein that binds DNA as a dimer and can form stable heterodimers with all other
	C/EBP family members.
Purification:	purified

Sterility:

Sterile filtered

Target Details

Target:	CEBPD
Alternative Name:	CEBP Delta (CEBPD Products)
Background:	This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. C/EBP proteins are DNA-binding proteins that are important transcriptional activators in the regulation of genes involved in immune and inflammatory responses and may play an important role in the regulation of the several genes associated with activation and/or differentiation of macrophages. Members of the C/EBP transcription factor family are related by a high degree of amino acid sequence identity to the basic leucine zipper DNA-binding domain and show distinct but overlapping patterns of tissue- and stage-restricted expression. Osada et al. identified the consensus binding site for the family as RTTGCGYAAY (R = A or G, and Y = C or T). Phosphorylation of C/EBPd may increase binding activity, whereas phosphorylation of the a and b family members may decrease binding affinity. C/EBPd is a nuclear protein that binds DNA as a dimer and can form stable heterodimers with all other C/EBP family members. Synonyms: C/EBP related protein 3 antibody, CCAAT/enhancer binding protein delta antibody, CEBP D antibody, CEBPD antibody, CELF antibody, Crp 3 antibody, NF IL6 beta
	antibody, Nuclear factor NF IL6 beta antibody

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Target Details	get Details	
Gene ID:	12609, 110347410	
UniProt:	Q00322	

Application Details

Application Notes:	This affinity purified antibody has been tested for use in ELISA and western blotting. Specific
	conditions for reactivity should be optimized by the end user. Expect a band approximately 35
	kDa in size corresponding to C/EBPd by western blotting in the appropriate cell lysate or
	extract. The predicted molecular weight of mouse C/EBPd is 28.8 kDa. This antibody is
	capable of detecting both over-expressed and endogenous C/EBPd.
Comment:	Gene Name: CEBPD
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.83 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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
Storage Comment:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. Expiration date is three (3) months from date of opening.
Expiry Date:	3 months
Publications	
Product cited in:	Puzio-Kuter, Laddha, Castillo-Martin, Sun, Cordon-Cardo, Chan, Levine: "Involvement of tumor suppressors PTEN and p53 in the formation of multiple subtypes of liposarcoma." in: Cell death and differentiation , Vol. 22, Issue 11, pp. 1785-91, (2015) (PubMed).

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Balamurugan, Wang, Tsai, Sharan, Anver, Leighty, Sterneck: "The tumour suppressor C/EBPδ inhibits FBXW7 expression and promotes mammary tumour metastasis." in: **The EMBO journal**, Vol. 29, Issue 24, pp. 4106-17, (2011) (PubMed).

Images



Western Blotting

Image 1. Western Blot of Anti-C/EBPd Antibody Lane 1: human C/EBPbeta Lane 2: Mouse C/EBPdelta Lane 3: untransfected Lane 4: human C/EBPdelta Load: 35 µg per lane Primary: Anti-C/EBPd Antibody used at a dilution of 1:15k overnight at 4°C Blocking: buffer TBST ECL was used for detection of overexpressed protein in human and mouse C/EBP delta. Predicted/Observed size: 28.8 kDa, ~35 kDa

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