Datasheet for ABIN969049

anti-CEBPB antibody

3 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	CEBPB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CEBPB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human CEBPB expressed in E. coli.
Clone:	3H9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CEBPB
Alternative Name:	CEBPB (CEBPB Products)
Background:	Description: 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 proteins CEBP-alpha, CEBP-delta, and CEBP-gamma. The encoded protein is important in the regulation of genes involved in immune and inflammatory responses and has

Target Details

	been shown to bind to the IL-1 response element in the IL-6 gene, as well as to regulatory regions of several acute-phase and cytokine genes. In addition, the encoded protein can bind the promoter and upstream element and stimulate the expression of the collagen type I gene. Tissue specificity: Expressed at low levels in the lung, kidney and spleen. Aliases: LAP, CRP2, TCF5, IL6DBP, NF-IL6, MGC32080, C/EBP-beta
Molecular Weight:	36 kDa
Gene ID:	1051
HGNC:	1051
Pathways:	Interferon-gamma Pathway, Autophagy, Brown Fat Cell Differentiation

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

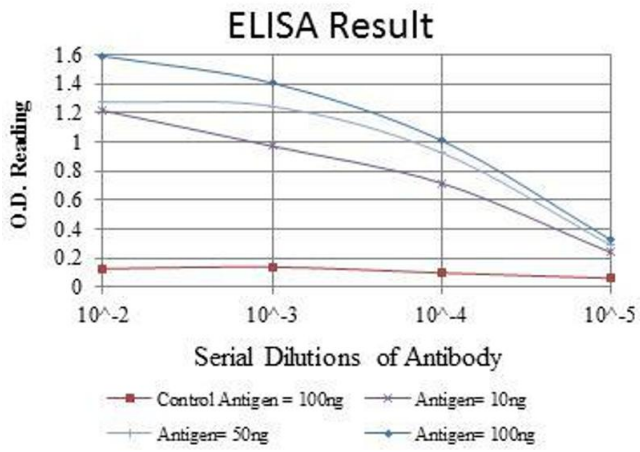
Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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:	4°C, -20°C for long term storage

Publications

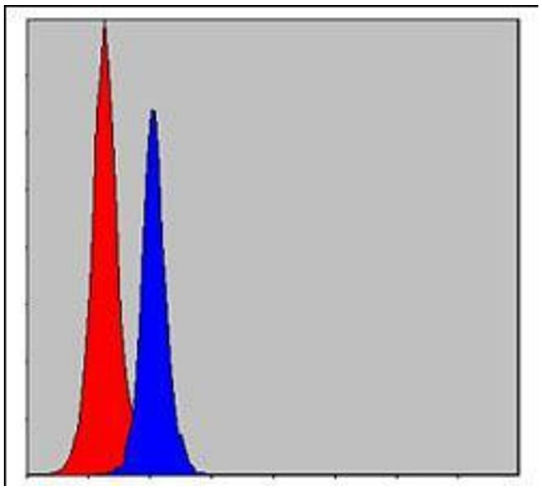
Product cited in:	Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: **Journal of cell science**, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) (PubMed). Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009) (PubMed).

Images



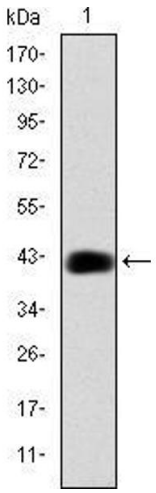
ELISA

Image 1. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of MCF-7 cells using CEBPB mouse mAb (blue) and negative control (red).



Western Blotting

Image 3. Western blot analysis using CEBPB mAb against human CEBPB (AA: 161-338) recombinant protein. (Expected MW is 44.5 kDa)