Datasheet for ABIN2664083

anti-CEBPA antibody

2 Images

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Overview

Quantity:	100 µg
Target:	CEBPA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CEBPA antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Clone:	16C12B70
Isotype:	IgG2a kappa
Cross-Reactivity:	Mouse (Murine)
Cross-Reactivity (Details):	weakly cross-reacts with mouse
Purification:	The antibody was purified by affinity chromatography.

Target Details

Target:	CEBPA
Alternative Name:	C/EBPalpha (CEBPA Products)
Background:	The CCAAT-enhancer binding proteins (C/EBP) are members of the basic region/leucine zipper (bZIP) transcription factors, that bind to the consensus CCAAT sequence in DNA. C/EBPα is

Target Details

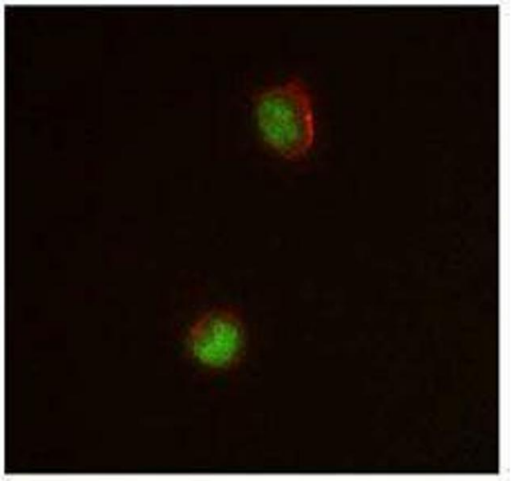
	expressed in two isoforms: p42 and p30 by ultilizing different translational start codons. The C/EBPα p30 isoform has little to no transactivating activity and acts as an inhibitor. C/EBPα regulates expression of various myeloid-specific genes and is required for myeloid differentiation. C/EBPα has been found to play a key role in adipogenesis, since inhibition of C/EBPα blocks adipocyte differentiation. C/EBPα also regulates cell cycle progression through interactions with cyclin-dependent kinases (CDK) and by inducing the expression of CDK inhibitor p21. Mutations in the C/EBPα gene are associated with the development of acute myeloid leukemia.
Pathways:	Brown Fat Cell Differentiation, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

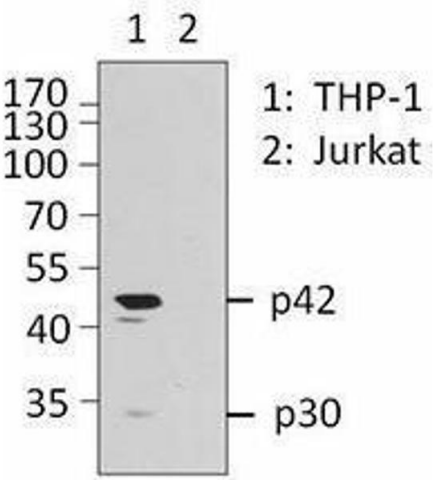
Handling

Concentration:	0.5 mg/mL
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % 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
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.



Immunofluorescence

Image 1.



Western Blotting

Image 2.

