



# C/EBP $\epsilon$ Polyclonal Antibody

<b>Catalog No</b>	BYab-01583
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	CEBPE
<b>Protein Name</b>	CCAAT/enhancer-binding protein epsilon
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human C/EBP-epsilon. AA range:40-89
<b>Specificity</b>	C/EBP $\epsilon$ Polyclonal Antibody detects endogenous levels of C/EBP $\epsilon$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	$\geq 90\%$
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CEBPE; CCAAT/enhancer-binding protein epsilon; C/EBP epsilon
<b>Observed Band</b>	34kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Strongest expression occurs in promyelocyte and late-myeloblast-like cell lines.
<b>Function</b>	function:C/EBP are DNA-binding proteins that recognize two different motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers.,online information:CEBPE mutation db,PTM:Phosphorylated.,similarity:Belongs to the bZIP family. C/EBP subfamily.,similarity:Contains 1 bZIP domain.,subunit:Binds DNA as a dimer and can form stable heterodimers with C/EBP delta.,tissue specificity:Strongest expression occurs in promyelocyte and late-myeloblast-like cell lines.,
<b>Background</b>	The protein encoded by this gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers

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with the related protein CEBP-delta. The encoded protein may be essential for terminal differentiation and functional maturation of committed granulocyte progenitor cells. Mutations in this gene have been associated with Specific Granule Deficiency, a rare congenital disorder. Multiple variants of this gene have been described, but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008],

**matters needing attention**

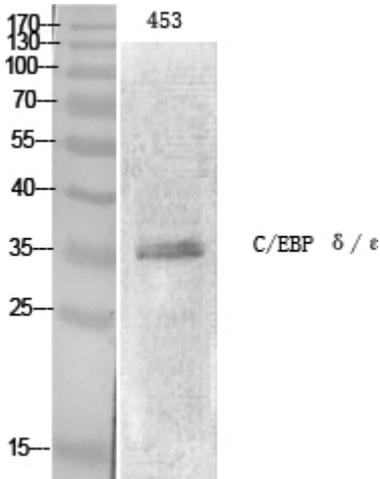
Avoid repeated freezing and thawing!

**Usage suggestions**

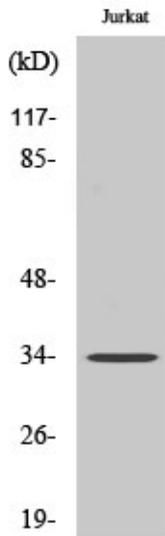
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



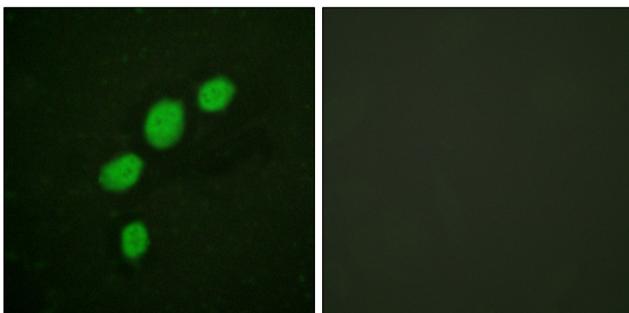
## Products Images



Western Blot analysis of various cells using C/EBP  $\epsilon$  Polyclonal Antibody cells nucleus extracted by Minute<sup>TM</sup> Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

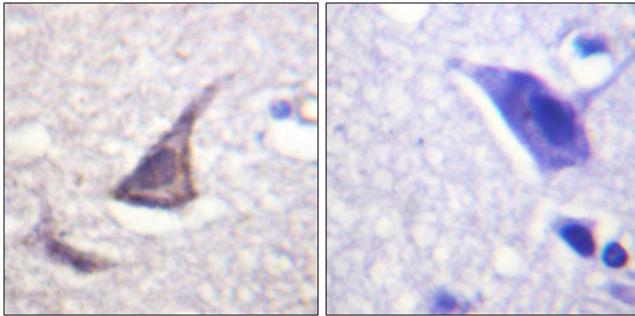


Western Blot analysis of Jurkat cells using C/EBP  $\epsilon$  Polyclonal Antibody cells nucleus extracted by Minute<sup>TM</sup> Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

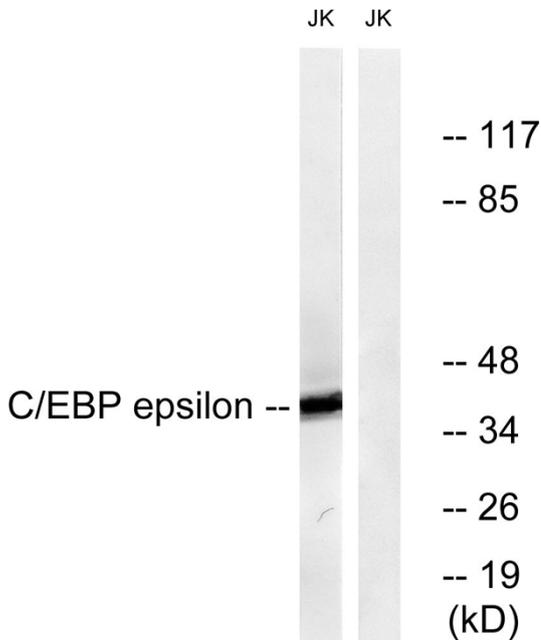


Immunofluorescence analysis of HeLa cells, using C/EBP-epsilon Antibody. The picture on the right is blocked with the synthesized peptide.

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Immunohistochemistry analysis of paraffin-embedded human brain tissue, using C/EBP-epsilon Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from JurKat cells, treated with Insulin 0.01U/ml 15', using C/EBP-epsilon Antibody. The lane on the right is blocked with the synthesized peptide.