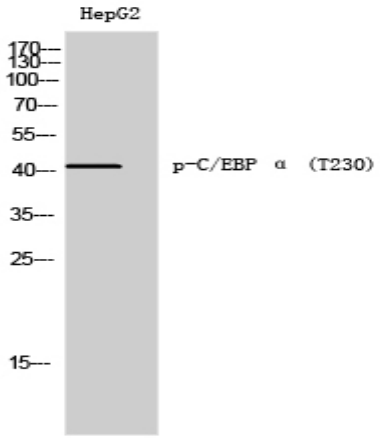
Best Tools for immunology Research

C/EBP α (phospho Thr230) Polyclonal Antibody

Catalog No :	YP0463
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	C/EBP α
Fields :	>>Non-alcoholic fatty liver disease;>>Pathways in cancer;>>Transcriptional misregulation in cancer;>>Acute myeloid leukemia
Gene Name :	CEBPA
Protein Name :	CCAAT/enhancer-binding protein alpha
Human Gene Id :	1050
Human Swiss Prot No :	P49715
Mouse Gene Id :	12606
Mouse Swiss Prot No :	P53566
Rat Gene Id :	24252
Rat Swiss Prot No :	P05554
Immunogen :	Synthesized phospho-peptide around the phosphorylation site of human C/EBP α (phospho Thr230)
Specificity :	Phospho-C/EBP α (T230) Polyclonal Antibody detects endogenous levels of C/EBP α protein only when phosphorylated at T230.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	42,also have 30kd isform
Cell Pathway :	Pathways in cancer;Acute myeloid leukemia;
Background :	This intronless gene encodes a transcription factor that contains a basic leucine zipper (bZIP) domain and recognizes the CCAAT motif in the promoters of target genes. The encoded protein functions in homodimers and also heterodimers with CCAAT/enhancer-binding proteins beta and gamma. Activity of this protein can modulate the expression of genes involved in cell cycle regulation as well as in body weight homeostasis. Mutation of this gene is associated with acute myeloid leukemia. The use of alternative in-frame non-AUG (GUG) and AUG start codons results in protein isoforms with different lengths. Differential translation initiation is mediated by an out-of-frame, upstream open reading frame which is located between the GUG and the first AUG start codons. [provided by RefSeq, Dec 2013],
Function :	function:C/EBP is a DNA-binding protein that recognizes two different motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers.,similarity:Belongs to the bZIP family.,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 beta and gamma. Interacts with UBN1. Interacts with HBV protein X.,
Subcellular Location :	Nucleus .; [Isoform 4]: Nucleus, nucleolus .
Expression :	Liver,Pancreas,Umbilical cord,White Matter pool- 5 brain tissues- f
Sort :	2913
No4 :	1
Host :	Rabbit
Modifications :	Phospho

Products Images



Western Blot analysis of HepG2 cells using Phospho-C/EBP α (T230) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).