C/EBP-α (Phospho-Ser21) Antibody

Catalog No: #11648

Package Size: #11648-1 50ul #11648-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

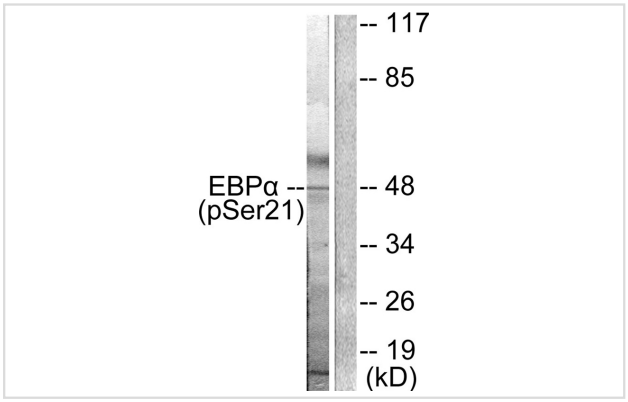
Product Name	C/EBP-α (Phospho-Ser21) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of C/EBP-α only when phosphorylated at serine 21.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 21 (L-Q-S(p)-P-P) derived from Human C/EBP-α.
Target Name	C/EBP-α
Modification	Phospho
Other Names	CAP4; ICE8; MACH; MCH5; Mch-5
Accession No.	Swiss-Prot#: P49715; NCBI Gene#: 1050; NCBI Protein#: NP_004355.2.
Uniprot	P49715
GeneID	1050;
SDS-PAGE MW	45kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

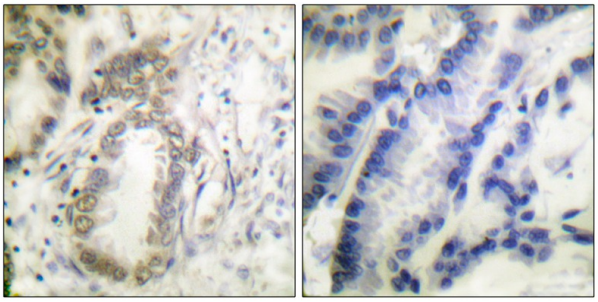
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HepG2 cells treated with EGF using C/EBP-α (phospho-Ser21) Antibody #11648.The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using C/EBP-α (phospho-Ser21) antibody #11648 (left)or the same antibody preincubated with blocking peptide (right).

Background

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.

Takashi Akasaka, Blood, Apr 2007; 109: 3451 - 3461.

Carolina Gillio-Meina, Biol Reprod, May 2005; 72: 1194 - 1204.

Rapha?l MB¨B¦tivier, Mol. Endocrinol., Nov 2001; 15: 1953.

Neoncheol Jung, Eur. J. Biochem., Oct 2000; 267: 6180.

Note: This product is for in vitro research use only