C/EBP-β (phospho-T235/188) polyclonal antibody

Catalog: BCP00305 Host: Rabbit Reactivity: Human

BackGround:

C/EBP β is a member of the C/EBP transcription factor family. The C/EBP β gene encodes several isoforms, which have truncated transcription activation domains by the alternative translational initiation at multipe AUG start sites. Initiation of translation at the in-frame AUGs forms four C/EBP β isoforms. C/EBP β is also known as interleukin 6-dependent DNA-binding protein (IL6DBP), liver activator protein(LAP) or liver-enriched transcriptional activator protein transcription factor 5 (TCF5). C/EBP β contributes to the regulation of the acute phase response in hepatocytes. Stat3 has an important function in IL-6-mediated transcription of the C/EBP β gene that has direct implication for acute phase response in liver cells.The 35 kDa C/EBP β form requires phosphorylation for its DNA binding ability, and increased binding of C/EBP β isoforms during acute-phase reaction occurs through its upregulation and structural modification.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 38 kDa

Swiss-Prot:

P17676

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

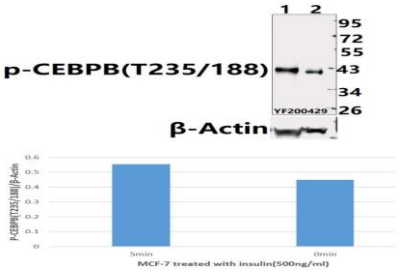
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

p-C/EBP-β (T235/188) polyclonal antibody detects endogenous levels of human LAP only when phosphorylated at Thr235, mouse and rat LAP only when phosphorylated at Thr188, and LIP only when phosphorylated at Thr37.

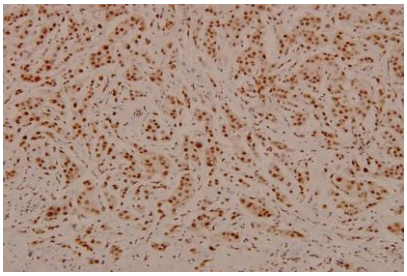
DATA:



Western blot (WB) analysis of C/EBP-β (phospho-T235/188) pAb at 1:500 dilution

Lane1:MCF-7 treated with insulin(500ng/ml,5min) whole cell lysate(40ug)

Lane2:MCF-7 treated with insulin(500ng/ml,0min) whole cell lysate (40ug)



Immunohistochemistry (IHC) analyzes of p-C/EBP-β (T235/188) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

For research use only, not for use in diagnostic procedure.

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