

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

Catalog: BS4029

Host: Rabbit

Reactivity: Human, Mouse, Rat

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 multiple 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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 19, 36, 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:

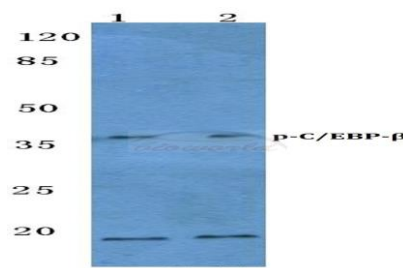
Store at 4 °C short term. Aliquot and store at -20 °C long

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.

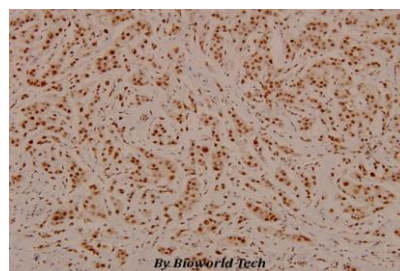
DATA:



Western blot (WB) analysis of p-C/EBP- β (T235/188) polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate treated with insulin

Lane2: DLD cell lysate



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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