Product name: Anti-CEBP Beta (phospho T235 + T188) antibody

Description: Rabbit polyclonal to CEBP Beta (phospho T235 + T188)

Host species: Rabbit

Specificity: This antibody detects endogenous levels of CEBP Beta only when phosphorylated at threonine 235/188.

Tested applications: Suitable for: ICC/IF, IHC-P, ELISA, WB

Species reactivity: Reacts with: Mouse, Rat, Human

Immunogen: A synthetic phosphopeptide derived from human CEBP Beta around the phosphorylation site of threonine 235/188.

Positive control: Human breast carcinoma tissue

Form: Liquid

Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer: pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS

Purity: Immunogen affinity purified

Purification notes: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Clonality: Polyclonal

Isotype: IgG

Applications: Our Abpromise guarantee covers the use of ab52194 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
### Function

Important transcriptional activator in the regulation of genes involved in immune and inflammatory responses. Specifically binds to an IL-1 response element in the IL-6 gene. NF-IL6 also binds to regulatory regions of several acute-phase and cytokines genes. It probably plays a role in the regulation of acute-phase reaction, inflammation and hemopoiesis. The consensus recognition site is 5'-T[TG]NNGNA[TG]-3'. Functions in brown adipose tissue (BAT) differentiation.

### Tissue specificity

Expressed at low levels in the lung, kidney and spleen.

### Sequence similarities

Belongs to the bZIP family. C/EBP subfamily. Contains 1 bZIP domain.

### Domain

the 9aaTAD motif is a transactivation domain present in a large number of yeast and animal transcription factors.

### Post-translational modifications

Sumoylated by polymeric chains of SUMO2 or SUMO3.

### Cellular localization

Nucleus.

### Application

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td>1/500 - 1/1000.</td>
<td></td>
</tr>
<tr>
<td>IHC-P</td>
<td>Use at an assay dependent concentration.</td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>1/10000.</td>
<td></td>
</tr>
<tr>
<td>WB</td>
<td>Use at an assay dependent concentration. PubMed: 22144112</td>
<td></td>
</tr>
</tbody>
</table>

### Target

#### Images

ab52194 staining CEBP Beta (phospho T335 + T188) in Human MDA-MB-468 breast cancer cells by ICC/IF (Immunocytochemistry/Immunofluorescence). Cells were fixed with 4% paraformaldehyde + 2% sucrose and permeabilized with 0.5% Triton X-100 in PBS. Samples were incubated with primary antibody (in PBS + 1% BSA) for 30 minutes at 37°C. From left - DAPI (blue), MUC1-C (green), CERP Beta phospho T335 + T188 (red), Merge, Zoom. Top - CshRNA, Bottom - MUC1shRNA. Magnification - x63, Zoom (from pink boxes) - x252.
Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue using ab52194 at a 1/50 dilution.

Left image un-treated.

Right image treated with phosphopeptide.

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