C/EBP-alpha Ab

Cat.#: AF6333
Size: 100ul,200ul
Concn.: 1mg/ml
Source: Rabbit
Mol.Wt.: 30,43kDa
Clonality: Polyclonal

Reactivity: Human,Mouse,Rat

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: C/EBP-alpha Ab detects endogenous levels of total C/EBP-alpha.

Immunogen: A synthesized peptide derived from human C/EBP-alpha, corresponding to a region within N-terminal amino acids.

Uniprot: P49715

Description: The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis.

Subcellular Location: Nucleus.

Similarity: The recognition sequence (54-72) is required for interaction with TRIB1. Belongs to the bZIP family. C/EBP subfamily.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20°C. Stable for 12 months from date of receipt.

Western blot analysis of C/EBP-alpha expression in 293 whole cell lysates. The lane on the left was treated with the antigen-specific peptide.
AF6333 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

AF6333 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.