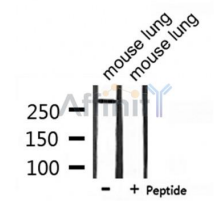
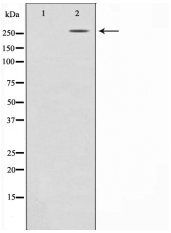
CBP Ab

Cat.#: AF0861	Concn.: 1mg/ml	Mol.Wt.: 265kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

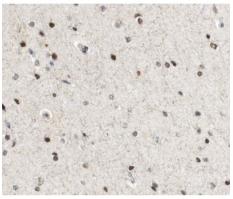
Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	CBP Ab detects endogenous levels of CBP.
Immunogen:	A synthesized peptide derived from human CBP.
Uniprot:	Q92793
Description:	CBP a protein acetyltransferase that can transcriptionally activate histones. Acetylates the NCOA3 coactivator. Binds specifically to phosphorylated CREB1 and enhances its transcriptional activity toward cAMP-responsive genes. Methylation of the KIX domain by CARM1 blocks association with CREB, blocking CREB signaling, and activating the apoptotic response. Found in a complex containing NCOA2, NCOA3, IKKA, IKKB, and IKBKG. Probably part of a complex with HIF1A and EP300. Interacts with the C-terminal region of CITED4. The TAZ-type 1 domain interacts with HIF1A. Interacts with MAF, SRCAP, CARM1, ELF3, MLLT7/FOXO4, N4BP2, NCOA1, NCOA3, NCOA6, PCAF, PELP1, PML, SMAD1, SMAD2, SMAD3, SPIB and TRERF1. Interacts with HTLV-1 Tax, p30II, and HIV-1 Tat. Interacts with KLF1;
Subcellular Location:	Cytoplasm. Nucleus. Recruited to nuclear bodies by SS18L1/CREST. In the presence of ALX1 relocalizes from the cytoplasm to the nucleus.
Similarity:	The KIX domain mediates binding to HIV-1 Tat.
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 extracts from mouse lung, using CBP Ab.The lane on the right is treated with the antigen-specific peptide.



Western blot analysis on HeLa cell lysate using CBP Ab.The lane on the left is treated with the antigen-specific peptide.



AF0861 at 1/100 staining human Brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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.

AF0861 staining HeLa cells 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(Cat.# S0006), diluted at 1/600, was used as secondary Ab.

AF0861 staining A549 cells 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(Cat.# S0006), diluted at 1/600, was used as 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.