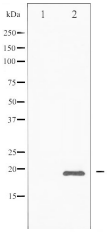
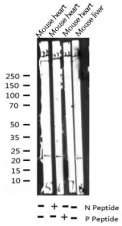
Phospho-CHOP (Ser30) Ab

Cat.#: AF3277	Concn.: 1mg/ml	Mol.Wt.: 19kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

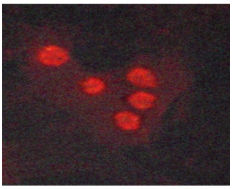
Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-CHOP (Ser30) Ab detects endogenous levels of CHOP only when phosphorylated at Serine 30
Immunogen:	A synthesized peptide derived from human CHOP around the phosphorylation site of Serine 30
Uniprot:	P35638
Description:	CHOP a transcriptional-regulatory protein of the bZIP family. Inhibits the DNA-binding activity of C/EBP and LAP by forming heterodimers that cannot bind DNA. May play an important role in melanoma progression. CK2-mediated phosphorylation inhibits its transcriptional activity.
Subcellular Location:	Nucleus.
Tissue Specificity:	By oxidative stress, amino-acid deprivation, hypoxia and ER stress. During ER stress, induced by a EIF2AK3/ATF4 pathway and/or ERN1/ATF6 pathway. Expression is suppressed by TLR-TRIF signaling pathway during prolonged ER stress.
Similarity:	The N-terminal region is necessary for its proteasomal degradation, transcriptional activity and interaction with EP300/P300.Belongs to the bZIP family.
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



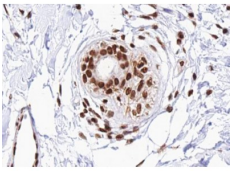
Western blot analysis of CHOP phosphorylation expression in PMA treated Jurkat whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



Western blot analysis of Phospho-CHOP (Ser30) expression in various lysates



AF3277 staining A549 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.



AF3277 at 1/100 staining human Breast carcinoma 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.

AF3277 staining Hela 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 Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.