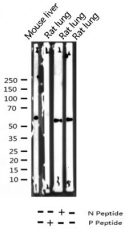
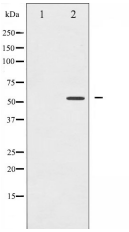
Phospho-PPAR gamma (Ser112) Ab

Cat.#: AF3284	Concn.: 1mg/ml	Mol.Wt.: 57kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

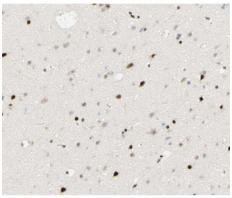
Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:200
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-PPAR- gamma (Ser112) Ab detects endogenous levels of PPAR- gamma only when phosphorylated at Serine 112.
Immunogen:	A synthesized peptide derived from human PPAR- gamma around the phosphorylation site of Serine 112.
Uniprot:	P37231
Description:	The protein encoded by this gene is a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma.
Subcellular Location:	Nucleus.
Tissue Specificity:	Highest expression in adipose tissue. Lower in skeletal muscle, spleen, heart and liver. Also detectable in placenta, lung and ovary.
Similarity:	Belongs to the nuclear hormone receptor family. NR1 subfamily.
Storage Condition and Buffer:	PBS, pH 7.4,50% glycerol.



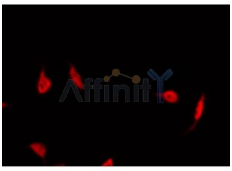
Western blot analysis of Phospho-PPAR gamma (Ser112) expression in various lysates



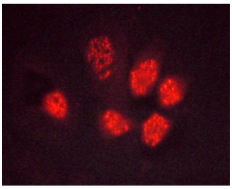
Western blot analysis of PPAR- gamma phosphorylation expression in Paclitaxel treated Jurkat whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3284 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.



AF3284 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.



AF3284 staining Hela 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.

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.