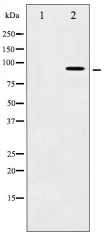
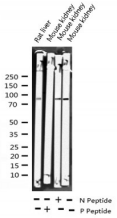
Phospho-AhR (Ser36) Ab

Cat.#: AF3278	Concn.: 1mg/ml	Mol.Wt.: 90kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

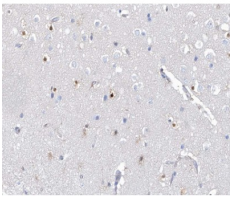
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-AhR (Ser36) Ab detects endogenous levels of AhR only when phosphorylated at Serine 36
Immunogen:	A synthesized peptide derived from human AhR around the phosphorylation site of Serine 36
Uniprot:	P35869/A9YTQ3
Description:	The Aryl Hydrocarbon Receptor (AHR), also known as the dioxin receptor, is a ligand-activated helix/loop/helix transcription factor found in a variety of vertebrate species. The known ligands for AHR are foreign planar aromatic compounds, such as polycyclic aromatic compounds and halogenated aromatic compounds such as 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD).
Subcellular Location:	Cytoplasm. Nucleus. Initially cytoplasmic; upon binding with ligand and interaction with a HSP90, it translocates to the nucleus.
Tissue Specificity:	Expressed in all tissues tested including blood, brain, heart, kidney, liver, lung, pancreas and skeletal muscle.
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 AhR phosphorylation expression in HepG2 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



Western blot analysis of Phospho-AhR (Ser36) expression in various lysates



AF3278 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.

AF3278 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 Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.