

## Ah Receptor (phospho Ser36) Polyclonal Antibody

<b>Catalog No :</b>	YP0713
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Ah Receptor
<b>Fields :</b>	>>Th17 cell differentiation;>>Cushing syndrome;>>Chemical carcinogenesis - receptor activation;>>Chemical carcinogenesis - reactive oxygen species
<b>Gene Name :</b>	AHR
<b>Protein Name :</b>	Aryl hydrocarbon receptor
<b>Human Gene Id :</b>	196/57491
<b>Human Swiss Prot No :</b>	P35869/A9YTQ3
<b>Mouse Gene Id :</b>	11622/11624
<b>Rat Gene Id :</b>	25690/498999
<b>Rat Swiss Prot No :</b>	P41738/Q75NT5
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human AhR around the phosphorylation site of Ser36. AA range:2-51
<b>Specificity :</b>	Phospho-Ah Receptor (S36) Polyclonal Antibody detects endogenous levels of Ah Receptor protein only when phosphorylated at S36.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 75 or 96kD

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**Background :** The protein encoded by this gene is a ligand-activated helix-loop-helix transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Before ligand binding, the encoded protein is sequestered in the cytoplasm; upon ligand binding, this protein moves to the nucleus and stimulates transcription of target genes. [provided by RefSeq, Sep 2015],

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**Function :** function:Ligand-activated transcriptional activator. Binds to the XRE promoter region of genes it activates. Activates the expression of multiple phase I and II xenobiotic chemical metabolizing enzyme genes (such as the CYP1A1 gene). Mediates biochemical and toxic effects of halogenated aromatic hydrocarbons. Involved in cell-cycle regulation. Likely to play an important role in the development and maturation of many tissues.,induction:Induced or repressed by TGF-beta and dioxin in a cell-type specific fashion. Repressed by cAMP, retinoic acid, and TPA.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,similarity:Contains 1 PAC (PAS-associated C-terminal) domain.,similarity:Contains 2 PAS (PER-ARNT-SIM) domains.,subcellular location:Initially cytoplasmic; upon binding with ligand and interaction with a HSP90, it translocates to the nucleus.,subunit:Binds MYBBP1A (By similarity)

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**Subcellular Location :** Cytoplasm . Nucleus . Initially cytoplasmic; upon binding with ligand and interaction with a HSP90, it translocates to the nucleus. .

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**Expression :** Expressed in all tissues tested including blood, brain, heart, kidney, liver, lung, pancreas and skeletal muscle. Expressed in retinal photoreceptors (PubMed:29726989).

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**Sort :** 1797

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**No4 :** 1

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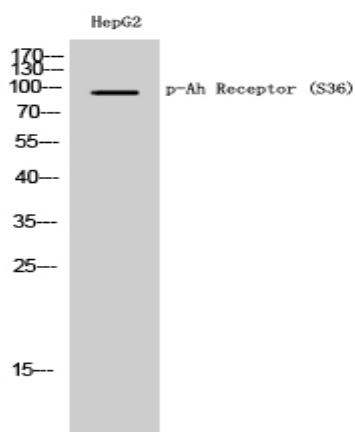
**Host :** Rabbit

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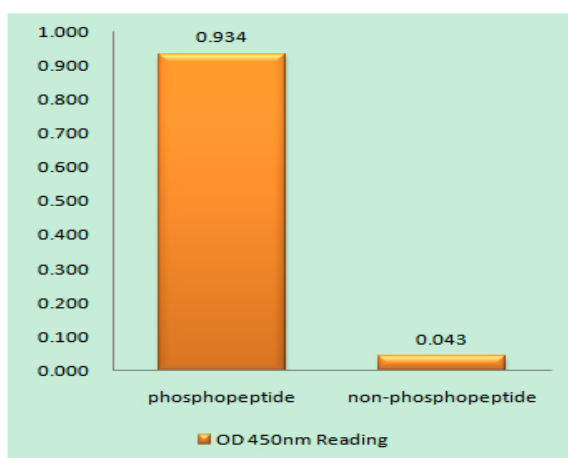
**Modifications :** Phospho

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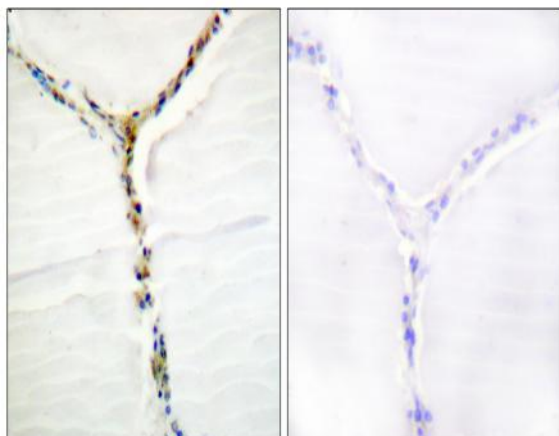
## Products Images



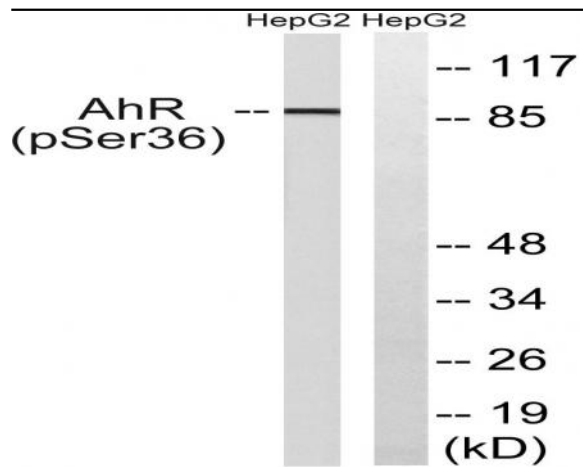
Western Blot analysis of HepG2 cells using Phospho-Ah Receptor (S36) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using AhR (Phospho-Ser36) Antibody



Immunohistochemistry analysis of paraffin-embedded human thyroid gland, using AhR (Phospho-Ser36) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells, using AhR (Phospho-Ser36) Antibody. The lane on the right is blocked with the phospho peptide.