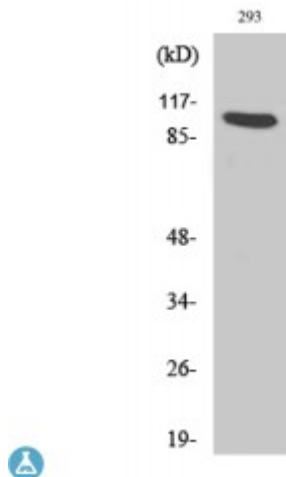


Anti-Ah Receptor antibody



Description	Rabbit polyclonal to Ah Receptor.
Model	STJ91510
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Ah Receptor around the non-phosphorylation site of S36.
Immunogen Region	10-90 aa
Gene ID	196
Gene Symbol	AHR
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Ah Receptor Polyclonal Antibody detects endogenous levels of Ah Receptor protein.
Tissue Specificity	Expressed in all tissues tested including blood, brain, heart, kidney, liver, lung, pancreas and skeletal muscle.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Aryl hydrocarbon receptor Ah receptor AhR Class E basic helix-loop-helix protein 76 bHLHe76

Molecular Weight	96 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:348OMIM:600253
Alternative Names	Aryl hydrocarbon receptor Ah receptor AhR Class E basic helix-loop-helix protein 76 bHLHe76
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. Regulates the circadian clock by inhibiting the basal and circadian expression of the core circadian component PER1. Inhibits PER1 by repressing the CLOCK-ARNTL/BMAL1 heterodimer mediated transcriptional activation of PER1.
Cellular Localization	Cytoplasm. Nucleus. Initially cytoplasmic. upon binding with ligand and interaction with a HSP90, it translocates to the nucleus.