

ARG65608 anti-Aryl Hydrocarbon Receptor antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Aryl Hydrocarbon Receptor
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P
Host	Goat
Clonality	Polyclonal
Target Name	Aryl Hydrocarbon Receptor
Species	Human
Immunogen	Synthetic peptide around the center region of Human Aryl Hydrocarbon Receptor (C-PENQKHGLNPQSA)
Conjugation	Un-conjugated
Alternate Names	Aryl hydrocarbon receptor; AhR; Ah receptor; bHLHe76; Class E basic helix-loop-helix protein 76

Application Instructions

Application table	Application	Dilution
	FACS	10 - 20 µg/ml
	ICC/IF	10 - 20 µg/ml
	IHC-P	2 - 4 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

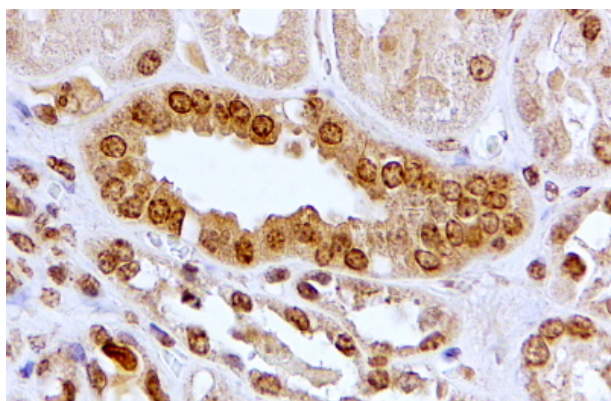
Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

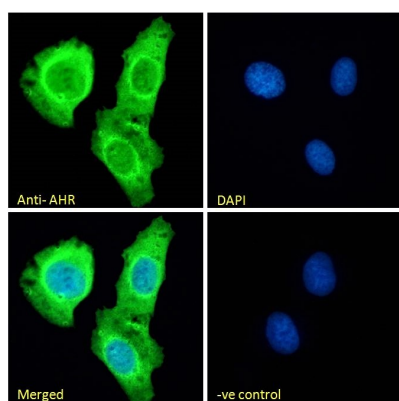
Database links	GeneID: 196 Human Swiss-port # P35869 Human
Gene Symbol	AHR
Gene Full Name	aryl hydrocarbon receptor
Background	This gene encodes a ligand-activated transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Its ligands included a variety of aromatic hydrocarbons. [provided by RefSeq, Jul 2008]
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.
Research Area	Gene Regulation antibody
Calculated Mw	96 kDa

Images



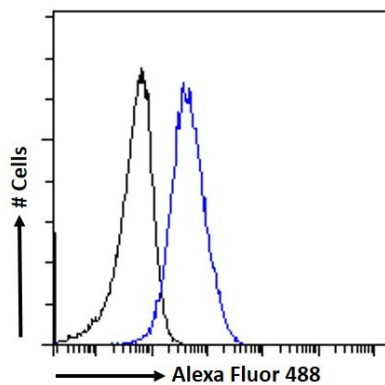
ARG65608 anti-Aryl Hydrocarbon Receptor antibody IHC image

Immunohistochemistry: paraffin embedded Human Kidney stained with ARG65608 anti-Aryl Hydrocarbon Receptor antibody at 2 µg/ml. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



ARG65608 anti-Aryl Hydrocarbon Receptor antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG65608 anti-Aryl Hydrocarbon Receptor antibody at 10ug/ml dilution.



ARG65608 anti-Aryl Hydrocarbon Receptor antibody FACS image

Flow Cytometry: HeLa stained with ARG65608 anti-Aryl Hydrocarbon Receptor antibody at 10ug/ml dilution.