ARG44409
anti-AHRR antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AHRR
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AHRR
Species	Human
Immunogen	Human AHRR recombinant protein (aa. sequence: K410-D665).
Conjugation	Un-conjugated
Alternate Names	AHRR; Aryl Hydrocarbon Receptor Repressor; BHLHe77; KIAA1234; Class E Basic Helix-Loop-Helix Protein 77; AHR Repressor; AHHR; AHH; Aryl Hydrocarbon Hydroxylase Regulator

Application Instructions

Application table

Application	Dilution
FACS	1-3 µg/1x10^6 cells
ICC/IF	5 µg/ml
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

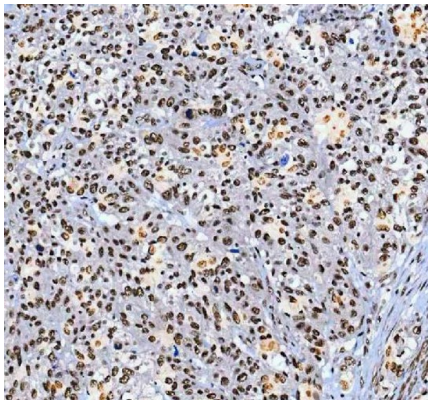
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For 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

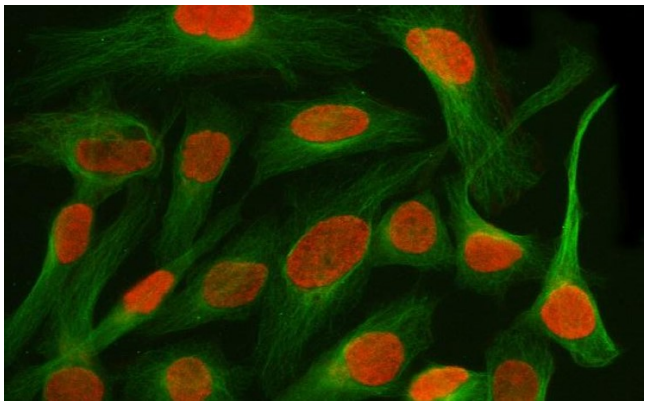
Gene Symbol	AHRR
Gene Full Name	Aryl Hydrocarbon Receptor Repressor
Background	The protein encoded by this gene participates in the aryl hydrocarbon receptor (AhR) signaling cascade, which mediates dioxin toxicity, and is involved in regulation of cell growth and differentiation. It functions as a feedback modulator by repressing AhR-dependent gene expression. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Function	Mediates dioxin toxicity and is involved in regulation of cell growth and differentiation. Represses the transcription activity of AHR by competing with this transcription factor for heterodimer formation with the ARNT and subsequently binding to the xenobiotic response element (XRE) sequence present in the promoter regulatory region of variety of genes. Represses CYP1A1 by binding the XRE sequence and recruiting ANKRA2, HDAC4 and/or HDAC5. Autoregulates its expression by associating with its own XRE site.
Calculated Mw	72 kDa
PTM	Isopeptide bond, Ubl conjugation
Cellular Localization	Cytoplasm, Nucleus

Images



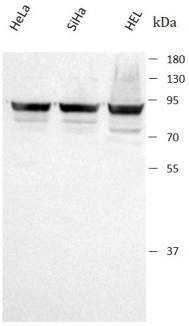
ARG44409 anti-AHRR antibody IHC-P image

Immunohistochemistry: Human bladder urothelial carcinoma stained with ARG44409 anti-AHRR antibody at 2 µg/mL dilution.



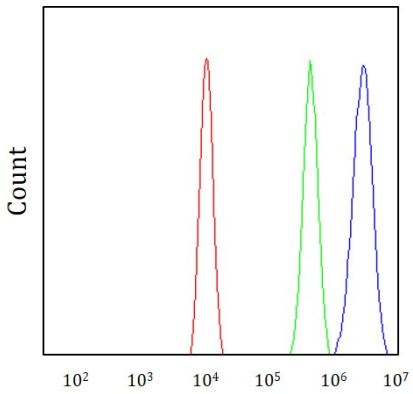
ARG44409 anti-AHRR antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44409 anti-AHRR antibody at 5 µg/mL dilution.



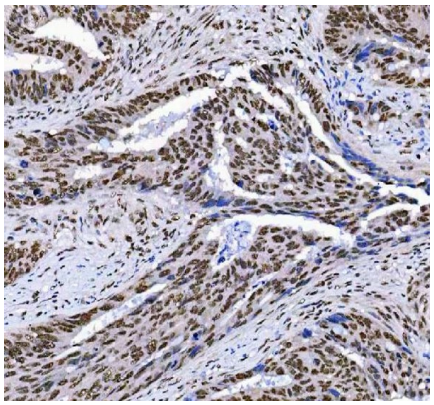
ARG44409 anti-AHRR antibody WB image

Western blot: HeLa, SiHa and HEL stained with ARG44409 anti-AHRR antibody at 0.5 µg/mL dilution.



ARG44409 anti-AHRR antibody FACS image

Flow Cytometry: HEL stained with ARG44409 anti-AHRR antibody at 1 µg/10^6 cells dilution.



ARG44409 anti-AHRR antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG44409 anti-AHRR antibody at 2 µg/mL dilution.