

anti-Human Aryl Hydrocarbon Receptor Monoclonal Antibody | anti-Aryl antibody

Aryl Hydrocarbon Receptor Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314312	Recombinant Rabbit	Human	Immunofluorescence, Western Blot

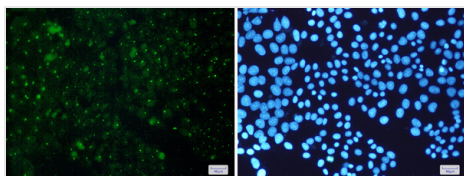
PRODUCT SYNONYMS

Aryl Hydrocarbon Receptor; Monoclonal Antibody; Aryl Hydrocarbon Receptor Rabbit mAb; Ah receptor; AhR; Class E basic helix-loop-helix protein 76; bHLHe76; AHR; anti-Aryl antibody

PRODUCT SPECIFICATIONS

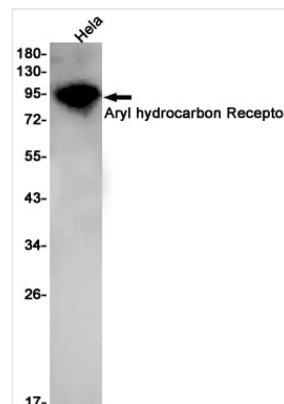
Host	Recombinant Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S07-1H9
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-Aryl antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human Aryl hydrocarbon Receptor
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of Aryl hydrocarbon Receptor(green) in Hela cells using Aryl hydrocarbon Receptor Rabbit mAb at dilution 1/50, and DAPI(blue)



WB (Western Blot)

Western blot detection of Aryl hydrocarbon Receptor in Hela cell lysates using Aryl hydrocarbon Receptor Rabbit mAb(1:1000 diluted). Predicted band size:96kDa.Observed band size:100kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Aryl antibody	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. The heterodimer ARNT:AHR binds to core DNA sequence 5'-TGCGTG-3' within the dioxin response element (DRE) of target gene promoters and activates their transcription (PubMed:28602820).
Product Categories/Family for anti-Aryl antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502003
NCBI GeneID	196
NCBI Accession #	NP_001612.1
NCBI GenBank Nucleotide #	NM_001621.4
UniProt Accession #	P35869; Q13728; Q13803; Q13804; A4D130
Molecular Weight	96,147 Da
NCBI Official Full Name	aryl hydrocarbon receptor
NCBI Official Synonym Full Names	aryl hydrocarbon receptor
NCBI Official Symbol	AHR
NCBI Official Synonym Symbols	bHLHe76
NCBI Protein Information	aryl hydrocarbon receptor; AH-receptor; ah receptor; aromatic hydrocarbon receptor; class E basic helix-loop-helix protein 76
UniProt Protein Name	Aryl hydrocarbon receptor
UniProt Gene Name	AHR
UniProt Synonym Gene Names	BHLHE76; Ah receptor; AhR; bHLHe76
UniProt Entry Name	AHR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aryl-hydrocarbon-receptor-antibody-clone-s07-1h9-immunofluorescence-western-blot-elisa/314312>