

Datasheet for ABIN7144657

anti-Aryl Hydrocarbon Receptor antibody (AA 126-353)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Aryl Hydrocarbon Receptor (AHR)
Binding Specificity:	AA 126-353
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aryl Hydrocarbon Receptor antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Aryl hydrocarbon receptor protein (126-353AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Aryl Hydrocarbon Receptor (AHR)
Alternative Name:	AHR (AHR Products)
Background:	Background: 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

Target Details

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.

Aliases: Ah receptor antibody, AhR antibody, AHR_HUMAN antibody, Aromatic hydrocarbon receptor antibody, Aryl hydrocarbon receptor antibody, Aryl hydrocarbon receptor precursor antibody, bHLHe76 antibody, Class E basic helix loop helix protein 76 antibody, Class E basic helix-loop-helix protein 76 antibody, HGNC:348 antibody

UniProt: [P35869](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

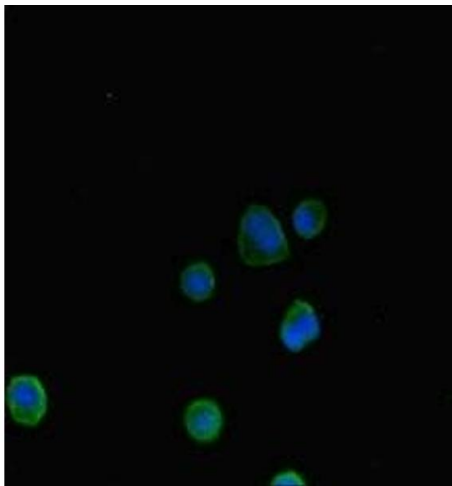
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

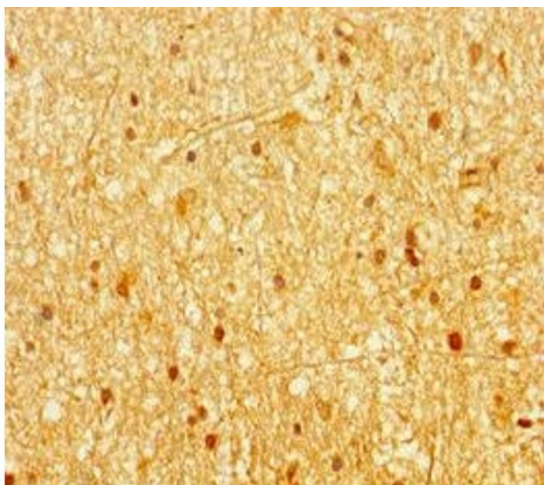
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of MCF-7 cells using ABIN7144657 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7144657 at dilution of 1:100