

## Rabbit anti-Human AHR Polyclonal Antibody | anti-AHR antibody

AHR Antibody

|                               |                       |                            |                                                                        |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------|
| CATALOG #<br><b>AAA231786</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------|

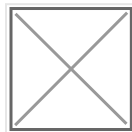
### PRODUCT SYNONYMS

AHR; Polyclonal Antibody; AHR Antibody; Aryl hydrocarbon receptorAh receptorAhR; Class E basic helix-loop-helix protein 76; bHLHe76; BHLHE76; anti-AHR antibody

### PRODUCT SPECIFICATIONS

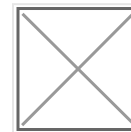
|                                               |                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                         |
| Reactivity                                    | Human                                                                                                          |
| Clonality                                     | Polyclonal                                                                                                     |
| Isotype                                       | IgG                                                                                                            |
| Purity/Purification                           | >95%, Protein G purified                                                                                       |
| Form/Format                                   | Liquid                                                                                                         |
| Sequence Length                               | 848                                                                                                            |
| Applicable Applications for anti-AHR antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                                                     |
| Species                                       | Human                                                                                                          |
| Immunogen                                     | Recombinant human Aryl hydrocarbon receptor protein                                                            |
| Conjugate                                     | Non-conjugated                                                                                                 |
| Buffer                                        | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                               |
| Santa Cruz Alternative                        | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8087 / sc-8088 / sc-5579               |
| Preparation and Storage                       | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of MCF7 cells using AAA231786 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue using AAA231786 at dilution of 1:100

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AHR 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. |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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              |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ahr-antibody-immunofluorescence-immunohistochemistry-elisa/231786>