



Anti-AHR polyclonal antibody (CPBT-67584RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | This product recognises human aryl hydrocarbon receptor (AHR), a 96 kDa ligand-activated transcription factor expressed in all tissues tested. AHR binds planar aromatic hydrocarbons and plays a role in regulating biological responses to them. It activates expression of xenobiotic chemical metabolising enzyme genes such as cytochrome P450. AHR is also involved in cell-cycle regulation and is thought to be involved in tissue maturation. |
| Specificity | AHR |
| Immunogen | Synthetic human AHR |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | IHC-P |
| Format | Purified IgG - liquid |
| Size | 50 µg |
| Preservative | 0.1% Sodium Azide |
| Storage | in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |
| Warnings | For research purposes only |

GENE INFORMATION

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| Gene Name | AHR aryl hydrocarbon receptor [Homo sapiens (human)] |
| Official Symbol | AHR |
| Synonyms | AHR; aryl hydrocarbon receptor; bHLHe76; AH-receptor; ah receptor; aromatic hydrocarbon receptor; class E basic helix-loop-helix protein 76; |
| Entrez Gene ID | 196 |
| Protein Refseq | NP_001612 |
| UniProt ID | P35869 |
| Chromosome Location | 7p15 |
| Pathway | Adipogenesis; AhR pathway; Integrated Breast Cancer Pathway; |
| Function | DNA binding; E-box binding; Hsp90 protein binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; enhancer binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; protein binding; protein dimerization activity; protein heterodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; signal transducer activity; transcription factor binding; transcription regulatory region DNA binding; |