



# Rabbit Anti-Human AhR Polyclonal Antibody (CABT-L2132)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Aryl Hydrocarbon Receptor (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against AhR. It has been selected for its ability to recognize AhR in immunohistochemical staining and western blotting.
<b>Target</b>	AhR
<b>Immunogen</b>	Recombinant fragment corresponding to human AHR (Val128~Asn399)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	This gene encodes a ligand-activated transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Its ligands included a variety of aromatic hydrocarbons. [provided by RefSeq, Jul 2008]
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<b>Keywords</b>	BHLHE76;Class E basic helix-loop-helix protein 76
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## GENE INFORMATION

<b>Gene Name</b>	AHR aryl hydrocarbon receptor [ Homo sapiens (human) ]
<b>Official Symbol</b>	AHR
<b>Synonyms</b>	AHR; aryl hydrocarbon receptor; bHLHe76; AH-receptor; ah receptor; aromatic hydrocarbon receptor; class E basic helix-loop-helix protein 76;
<b>Entrez Gene ID</b>	<a href="#">196</a>
<b>Protein Refseq</b>	NP_001612
<b>UniProt ID</b>	<a href="#">A0A024R9Z8</a>
<b>Chromosome Location</b>	7p15
<b>Pathway</b>	Adipogenesis; AhR pathway; Integrated Breast Cancer Pathway;
<b>Function</b>	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;