

Datasheet for ABIN2779518

**anti-Aryl Hydrocarbon Receptor antibody (N-Term)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µL
Target:	Aryl Hydrocarbon Receptor (AHR)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Cow, Guinea Pig, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aryl Hydrocarbon Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AHR
Sequence:	RAKSFDDVAL KSSPTERNGG QDNCRAANFR EGLNLQEGEF LLQALNGFVL
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 93%, Human: 100%, Mouse: 86%, Rabbit: 79%, Rat: 86%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against AHR. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	Aryl Hydrocarbon Receptor (AHR)
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## Target Details

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Alternative Name:	AHR ( <a href="#">AHR Products</a> )
Background:	<p>AHR is 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.</p> <p>Alias Symbols: bHLHe76</p> <p>Protein Interaction Partner: GNA13, UBC, NFE2L2, MAF, RB1, EP300, ARNT, NCOA2, NCOA1, TBP, TAF9, TAF6, TAF4, NCOA7, NCOR2, BRCA1, IVNS1ABP, AIP, STUB1, AHR, FOXA1, SUMO2, DDB1, CTNNB1, TAF7, PTGES3, SMARCA4, NEDD8, XPO1, ARNTL, CCNT1, NRIP1, DAP3, AR, CUL4B, GTF2F2, RELA, HSP90AA1, E</p> <p>Protein Size: 848</p>
Molecular Weight:	96 kDa
Gene ID:	196
NCBI Accession:	<a href="#">NM_001621</a> , <a href="#">NP_001612</a>
UniProt:	<a href="#">P35869</a>
Pathways:	<a href="#">Regulation of Cell Size</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 848 AA
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

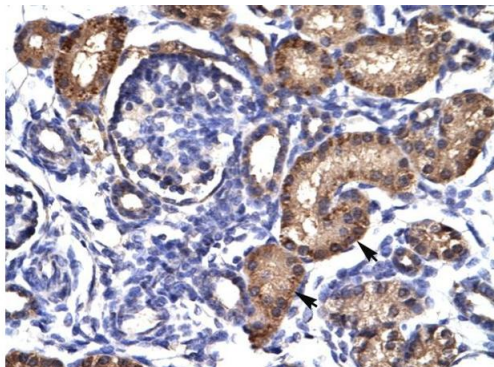
## Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



Rabbit Anti-AHR Antibody  
Catalog Number: ARP32243  
Lot Number: QC1712  
Paraffin Embedded Tissue: Human Kidney  
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

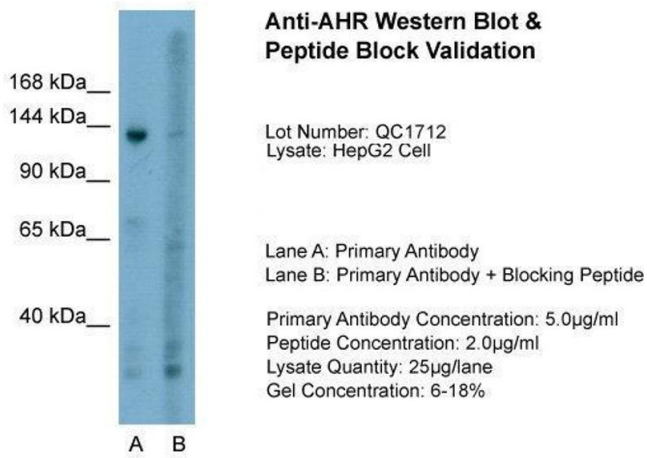


### Immunohistochemistry

**Image 1.** Human kidney

### Western Blotting

**Image 2.** WB Suggested Anti-AHR Antibody Titration:  
2.5ug/ml Positive Control: HepG2 cell lysate



**Western Blotting**

**Image 3.** Host: Rabbit Target Name: AHR Sample Type: HepG2 Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 5.0ug/mL Peptide Concentration: 2.0ug/mL Lysate Quantity: 25ug/lane Gel Concentration: 6%-18%