

Datasheet for ABIN2781113  
**anti-AHRR antibody (Middle Region)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	AHRR
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AHRR antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human AHRR
Sequence:	LPQSEPPHQL CARGRGEQSC TCRAAEAAPV VKREPLDSPQ WATHSQGMVP
Predicted Reactivity:	Cow: 82%, Dog: 85%, Guinea Pig: 91%, Horse: 79%, Human: 100%, Mouse: 91%, Rat: 91%
Characteristics:	This is a rabbit polyclonal antibody against AHRR. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	AHRR
Alternative Name:	AHRR ( <a href="#">AHRR Products</a> )

## Target Details

Background:	<p>Dioxin is a teratogen that exerts its effects through the arylhydrocarbon receptor in conjunction with the receptor's binding partner, arylhydrocarbon receptor nuclear translocator. AHRR represses signal transduction by the arylhydrocarbon receptor by competing with the arylhydrocarbon receptor nuclear translocator for binding to the arylhydrocarbon receptor. Expression of the repressor is stimulated by the receptor/translocator heterodimer, thereby regulating receptor function through a negative feedback mechanism. In addition, AHRR can bind to nuclear factor kappa-B. Dioxin is a teratogen that exerts its effects through the arylhydrocarbon receptor in conjunction with the receptor's binding partner, arylhydrocarbon receptor nuclear translocator. The protein encoded by this gene represses signal transduction by the arylhydrocarbon receptor by competing with the arylhydrocarbon receptor nuclear translocator for binding to the arylhydrocarbon receptor. Expression of the repressor is stimulated by the receptor/translocator heterodimer, thereby regulating receptor function through a negative feedback mechanism. In addition, the encoded protein can bind to nuclear factor kappa-B. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: AHH, AHHR, KIAA1234, MGC167813, MGC176630, bHLHe77 Protein Interaction Partner: ANKRA2, HDAC5, HDAC4, ESR1, ARNT, Protein Size: 719</p>
Molecular Weight:	78 kDa
Gene ID:	57491
NCBI Accession:	<a href="#">NM_020731</a> , <a href="#">NP_065782</a>
UniProt:	<a href="#">A9YTQ3</a>
Pathways:	<a href="#">Steroid Hormone Biosynthesis</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 719 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific

Handling

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 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



**Western Blotting**

**Image 1.** WB Suggested Anti-AHRR Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate