

DATASHEET

Ah Receptor (Phospho-S36) Rabbit Polyclonal Antibody

CAT. NO. APA08847

KEY FEATURES

Target	Ah Receptor (Phospho-S36)	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Chicken, Rabbit, Zebrafish	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Mediates dioxin toxicity and is involved in regulation of cell growth and differentiation. Represses the transcription activity of AHR by competing with AHR for heterodimer formation with ARNT and subsequently binding to the xenobiotic response element (XRE) sequence present in the promoter regulatory region of a variety of genes. Represses CYP1A1 by binding the XRE sequence and recruiting ANKRA2, HDAC4 and/or HDAC5. Autoregulates its expression by associating with its own XRE site.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Ah Receptor (Phospho-S36)
Specificity	Recognizes endogenous levels of Ah Receptor protein only when phosphorylated at S36.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S36 of human Ah Receptor protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 96; Observed: 100 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	AHR; BHLHe76; Aryl hydrocarbon receptor; Ah receptor; AhR; Class E basic helix-loop-helix protein 76; bHLHe76; AHRR; BHLHe77; KIAA1234; Aryl hydrocarbon receptor repressor; AhR repressor; AhRR; Class E basic helix-loop-helix protein 77; bHLHe77
Gene Symbol	AHR
Entrez Gene	196; 57491(Human); 11622; 11624(Mouse); 25690; 498999(Rat)
SwissProt	P35869; A9YTQ3(Human); P30561; Q3U1U7(Mouse); P41738; Q75NT5(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

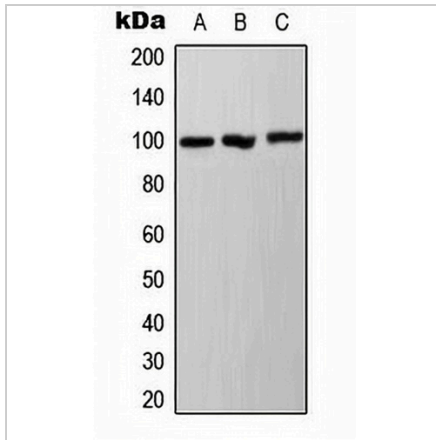
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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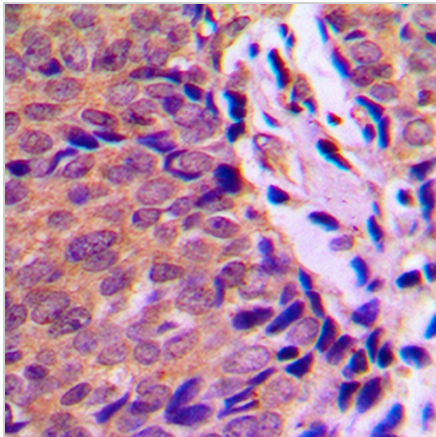
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DATA



Western blot analysis of Ah Receptor (Phospho-S36) expression in A431 (A), HepG2 (B), NIH3T3 (C) whole cell lysates. (Predicted band size: 96; 76 kD; Observed band size: 100 kD)



Immunohistochemical analysis of Ah Receptor (Phospho-S36) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.