

For Research Use Only

# AHR Recombinant antibody

Catalog Number: 83369-6-RR



## Basic Information

<b>Catalog Number:</b> 83369-6-RR	<b>GenBank Accession Number:</b> BC070080	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 196	<b>CloneNo.:</b> 240325G9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35869	<b>Recommended Dilutions:</b> IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> aryl hydrocarbon receptor	
<b>Immunogen Catalog Number:</b> AG12193	<b>Calculated MW:</b> 848 aa, 96 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : HeLa cells, HepG2 cells
<b>Species Specificity:</b> Human	

## Background Information

The aryl hydrocarbon receptor (Ahr) is a ligand-activated transcription factor that has been largely regarded as a mediator of xenobiotic metabolism (PMID:18483242). It plays a part role in physiologic activities, including attenuation of the acute phase response, cytokine signaling, T helper (TH) 17 immune cell differentiation, modulation of NF-κB activity, and regulation of hormonal signaling (PMID:20423157,18540824). It also mediates transcription factor sequestering away from a gene promoter or tethering of the Ahr to a transcription factor on a promoter. AHR calculated molecular masses differ by <10%, compared with the apparent molecular masses predicted from SDS-PAGE for the two receptors (105 and 95 kDa, respectively). (PMID: 8246913)

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

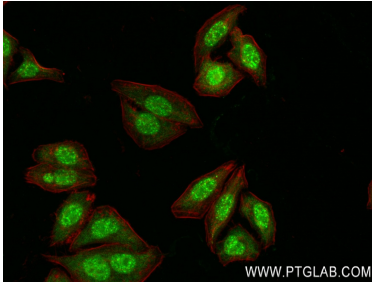
T: 4006900926

E: Proteintech-CN@ptglab.com

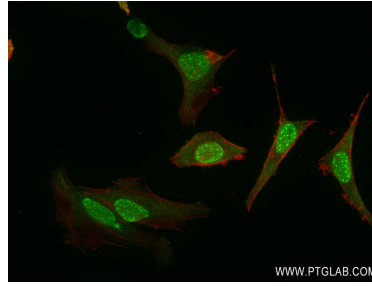
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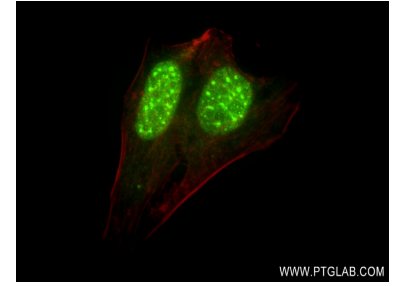
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using AHR antibody (83369-6-RR, Clone: 240325G9) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using AHR antibody (83369-6-RR, Clone: 240325G9) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using AHR antibody (83369-6-RR, Clone: 240325G9) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).