

Product datasheet for **TA301733**

Ahr Rabbit Polyclonal Antibody

Product data:

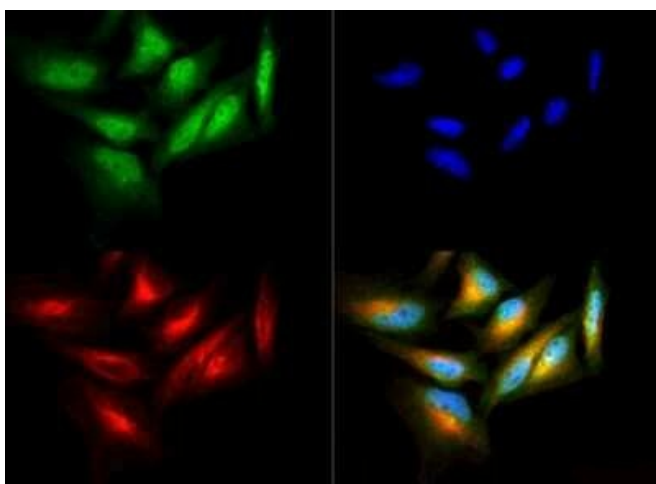
Product Type:	Primary Antibodies
Applications:	ELISA, FC, ICC/IF, IHC, IP, Simple Western, WB
Recommended Dilution:	Flow Cytometry: 2.5 ug/ml, Western Blot: 1:500-1:2000, ELISA: 1:100 - 1:2000, Immunocytochemistry/ Immunofluorescence: 1:500-1:1000, Immunoprecipitation: 1:10-1:500, Immunohistochemistry: 1:100, Immunohistochemistry-Paraffin: 1:100, Simple Western: 1:200, Knockdown Validated
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Bacterially expressed human AhR (C-terminus).
Formulation:	Tris-citrate/phosphate buffer, pH 7-8 and 0.1% sodium azide
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	aryl-hydrocarbon receptor
Database Link:	NP_038492 Entrez Gene 11622 Mouse P30561
Background:	The Ah Receptor belongs to a family of proteins comprised of its dimerization partner ARNT (HIF-1 Beta) and the Drosophila proteins PER and SIM. All of these proteins share an N-terminal sequence of ~200 amino acids termed the PAS domain. This receptor, found in a variety of tissues, binds to a specific DNA enhancer sequence and initiates transcription of the mRNA for the cytochrome P-450 (CYPIA1) gene.
Synonyms:	AH-receptor; bHLHe76



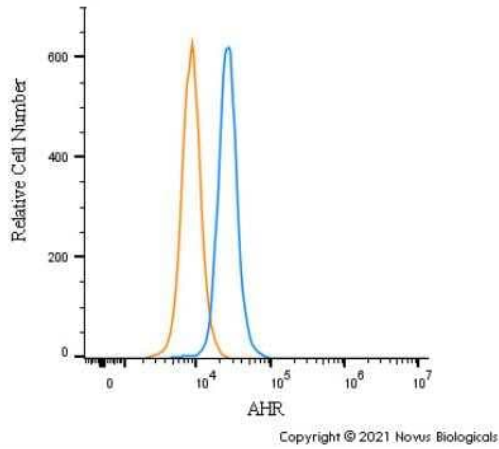
[View online »](#)

Product images:

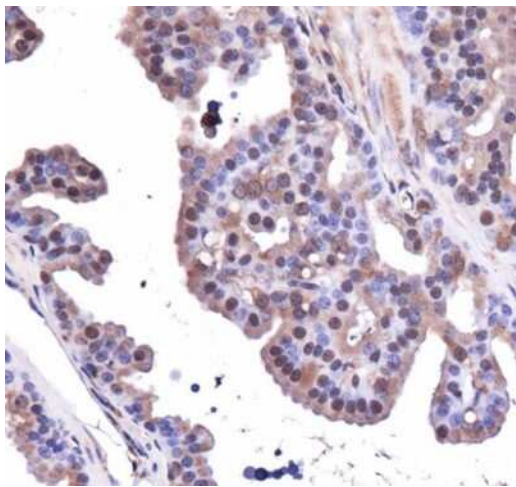
Simple Western: AHR Antibody TA301733 - Image shows a specific band for Aryl hydrocarbon receptor in 0.5 mg/mL of HepG2 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



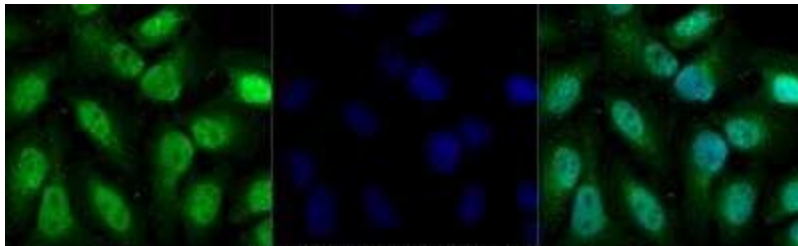
Immunocytochemistry/Immunofluorescence: AHR Antibody TA301733 - Aryl hydrocarbon Receptor antibody was tested in HeLa cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).



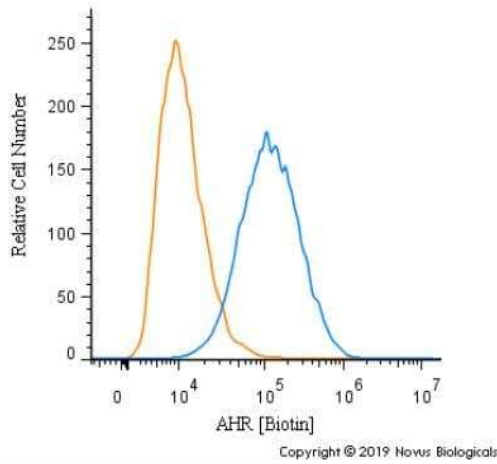
Flow Cytometry: AHR Antibody TA301733 - An intracellular stain was performed on U937 cells with TA301733 (blue) and a matched isotype control NBP2-24891 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (SA5-10033, Thermo Fisher).



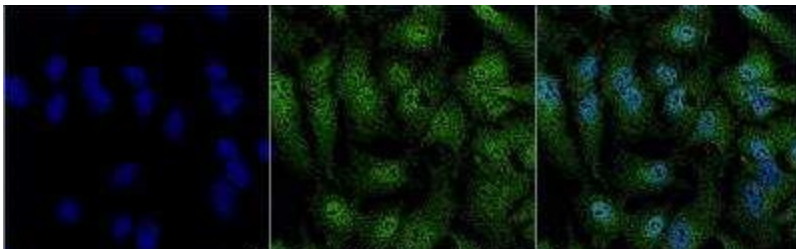
Immunohistochemistry: AHR Antibody TA301733 - Staining of Aryl hydrocarbon Receptor in mouse prostate.



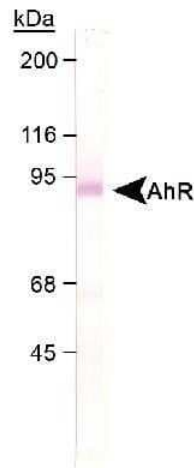
Immunocytochemistry/Immunofluorescence: AHR Antibody TA301733 - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton X-100. The cells were incubated with anti-AHR at 5 ug/mL overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Flow Cytometry: AHR Antibody TA301733 - An intracellular stain was performed on U-87 cells with AHR Antibody TA301733B (blue) and a matched isotype control (orange). Both antibodies were conjugated to Biotin. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature, followed by Streptavidin - R-Phycoerythrin Protein (2012-1000, Novus Biologicals).



Immunocytochemistry/Immunofluorescence: AHR Antibody TA301733 - HepG2 cells were fixed for 10 minutes using 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-AHR at 1 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:1000 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Western Blot: AHR Antibody TA301733 - Detection of AhR in mouse liver cytosol using NB 100-2289.