AHR Recombinant antibody, PBS Only

Catalog Number:83369-6-PBS

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Basic Information

Catalog Number:
83369-6-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG12193

GenBank Accession Number:
BC070080

GeneID (NCBI):
196

UNIPROT ID:
P35869

Full Name:
aryl hydrocarbon receptor

Calculated MW:
848 aa, 96 kDa

Purification Method:
Protein A purfication

CloneNo.:
240325G9

Applications

Tested Applications:
IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
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)
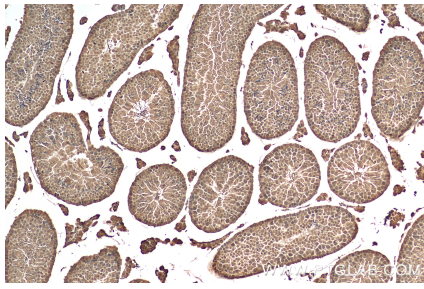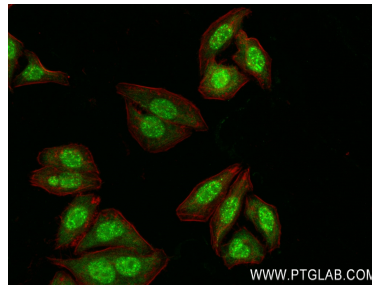
Storage

Storage:
Store at -80℃.
Storage Buffer:
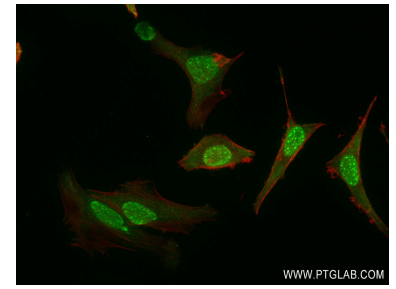PBS Only

Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 83369-6-RR (AHR antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83369-6-PBS in a different storage buffer formulation.
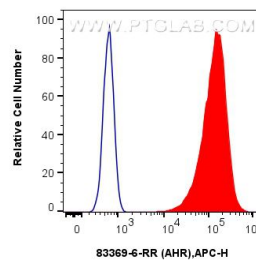

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using AHR antibody (83369-6-RR, Clone: 240325G9) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83369-6-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 83369-6-PBS in a different storage buffer formulation.
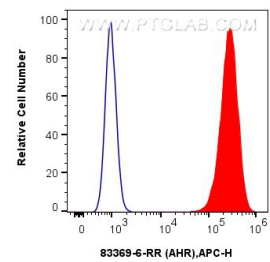

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using AHR antibody (83369-6-RR, Clone: 240325G9) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83369-6-PBS in a different storage buffer formulation.

1x10^6 HeLa cells were intracellularly stained with 0.25 ug AHR Recombinant antibody (83369-6-RR, Clone:240325G9) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83369-6-PBS in a different storage buffer formulation.

1x10^6 MCF-7 cells were intracellularly stained with 0.25 ug AHR Recombinant antibody (83369-6-RR, Clone:240325G9) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83369-6-PBS in a different storage buffer formulation.