AHR Recombinant antibody, PBS Only

Catalog Number:83369-5-PBS

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Basic Information

Catalog Number: 83369-5-PBS	**GenBank Accession Number:** BC070080	**Purification Method:** Protein A purfication
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	**GeneID (NCBI):** 196	**CloneNo.:** 240325G8
Source: Rabbit	**UNIPROT ID:** P35869	
Isotype: IgG	**Full Name:** aryl hydrocarbon receptor	
Immunogen Catalog Number: AG12193	**Calculated MW:** 848 aa, 96 kDa	
	Observed MW: 105-110 kDa	

Applications

Tested Applications:
WB, IHC, 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)
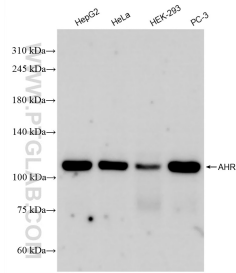
Storage

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

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 83369-5-RR (AHR antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83369-5-PBS in a different storage buffer formulation.
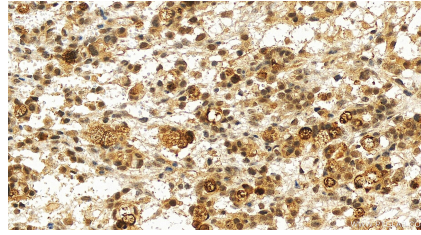
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83369-5-RR (AHR antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83369-5-PBS in a different storage buffer formulation.