

For Research Use Only

AHR Recombinant antibody

Catalog Number: 83369-5-RR



Basic Information

Catalog Number: 83369-5-RR	GenBank Accession Number: BC070080	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 196	CloneNo.: 240325G8
Source: Rabbit	UNIPROT ID: P35869	Recommended Dilutions: WB 1:1000-1:4000
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, ELISA	Positive Controls: WB : HepG2 cells, HeLa cells, HEK-293 cells, PC-3 cells
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- κ B 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:

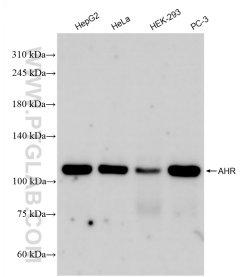
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Selected Validation Data



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.