

AHR antibody

Product Information

Catalog No.:	FNab00231
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Ligand-activated transcriptional activator. Binds to the XRE promoter region of genes it activates. Activates the expression of multiple phase I and II xenobiotic chemical metabolizing enzyme genes(such as the CYP1A1 gene). Mediates biochemical and toxic effects of halogenated aromatic hydrocarbons. Involved in cell-cycle regulation. Likely to play an important role in the development and maturation of many tissues. Regulates the circadian clock by inhibiting the basal and circadian expression of the core circadian component PER1. Inhibits PER1 by repressing the CLOCK-ARNTL/BMAL1 heterodimer mediated transcriptional activation of PER1.

Immunogen information

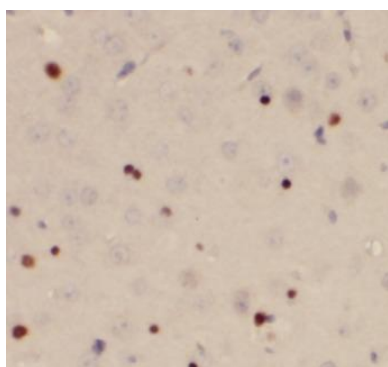
Immunogen:	aryl hydrocarbon receptor
Synonyms:	Aryl hydrocarbon receptor (Ah receptor, AhR) Class E basic helix-loop-helix protein 76 (bHLHe76) AHR BHLHE76
Observed MW:	105 kDa
Uniprot ID :	P35869

Application

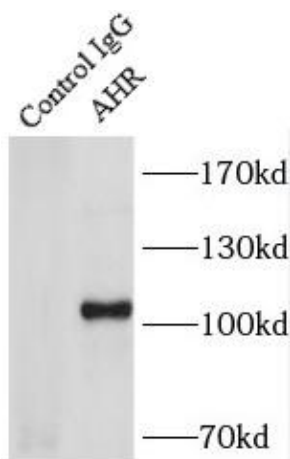
Reactivity:	Human, Mouse
Tested Application:	ELISA, WB, IHC, IP

Recommended dilution: WB: 1:200-1:2000; IP: 1:200-1:2000; IHC: 1:20-1:200

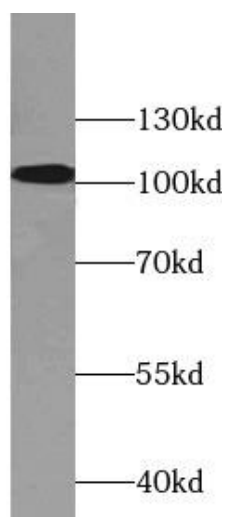
Image:



Immunohistochemistry of paraffin-embedded human brain using FNab00231(AHR antibody) at dilution of 1:100



IP Result of anti-AHR (IP:FNab00231, 4ug; Detection:FNab00231 1:500) with PC-3 cells lysate 1880ug.



MCF7 cells were subjected to SDS PAGE followed by western blot with FNab00231(AHR antibody) at dilution of 1:1000