

Datasheet for ABIN3030026

anti-Aryl Hydrocarbon Receptor antibody (C-Term)[Go to Product page](#)**5** Images

Overview

Quantity:	100 µg
Target:	Aryl Hydrocarbon Receptor (AHR)
Binding Specificity:	C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aryl Hydrocarbon Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	An amino acid sequence from the C-terminus of mouse Aryl hydrocarbon Receptor (EAALKHEQIGHAQDV) was used as the immunogen for this AHR antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Aryl Hydrocarbon Receptor (AHR)
Alternative Name:	AHR (Aryl Hydrocarbon Receptor) (AHR Products)
Background:	Aryl hydrocarbon receptor is a member of the family of basic helix-loop-helix transcription factors. It is a cytosolic transcription factor that is normally inactive, bound to several co-chaperones. Estrogenic actions of AHR agonists were detected in wildtype ovariectomized

Target Details

mouse uteri, but were absent in Ahr $-/-$ or Er-alpha $-/-$ ovariectomized mice. Complex assembly and ubiquitin ligase activity of CUL4B/AHR in vitro and in vivo are dependent on the AHR ligand. In the CUL4B/AHR complex, ligand-activated AHR acts as a substrate-specific adaptor component that targets sex steroid receptors for degradation.

UniProt: [P30561](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the AHR antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.
Western blot: 0.5-1 $\mu\text{g}/\text{mL}$, IHC (Paraffin): 0.5-1 $\mu\text{g}/\text{mL}$

Restrictions: For Research Use only

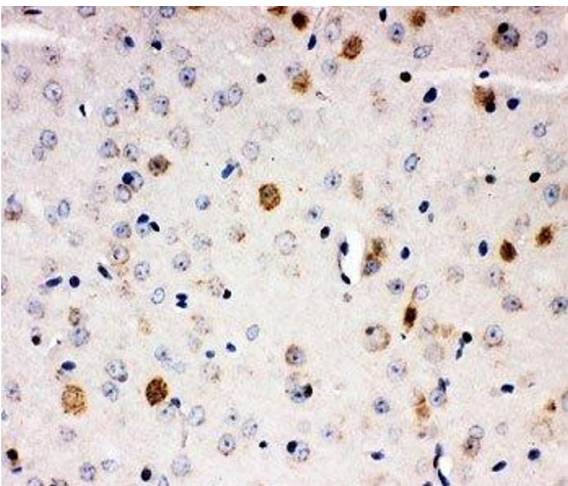
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: $-20\text{ }^{\circ}\text{C}$

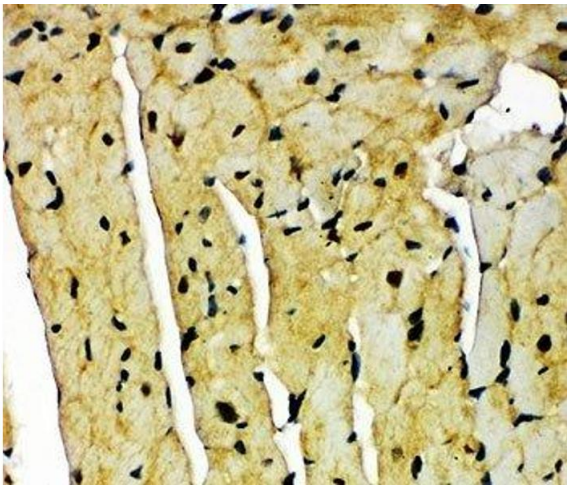
Storage Comment: After reconstitution, the AHR antibody can be stored for up to one month at $4\text{ }^{\circ}\text{C}$. For long-term, aliquot and store at $-20\text{ }^{\circ}\text{C}$. Avoid repeated freezing and thawing.

Images



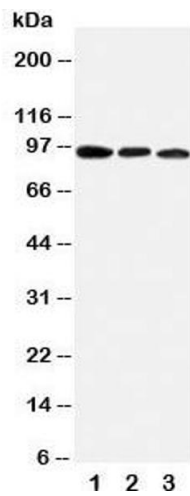
Immunohistochemistry

Image 1. IHC-P: AHR antibody testing of mouse brain tissue



Immunohistochemistry

Image 2. IHC-P: AHR antibody testing of mouse heart tissue



Western Blotting

Image 3. Western blot testing of AHR antibody and mouse samples: 1. brain; 2. heart; 3. liver tissue lysate. Predicted molecular weight ~ 95kDa.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3030026.