

PAB354Hu01

Polyclonal Antibody to Aryl Hydrocarbon Receptor (AhR)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[**PROPERTIES**]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 200µL

Cross Reactivity: Mouse

Applications: WB; IHC; ICC/IF

[**IMMUNOGEN**]

Immunogen: Recombinant AhR (Val128~Asn399) expressed in *E.coli*

Accession No.: RPB354Hu01

[**APPLICATIONS**]

Western blotting: 0.01-4µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[**FORMULATION**]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

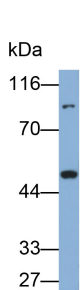
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

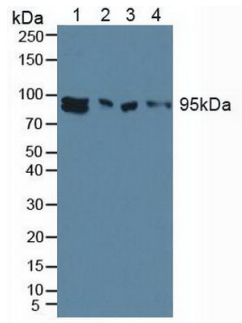
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

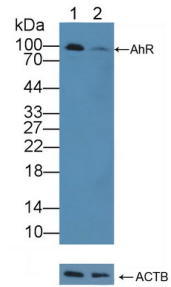
[IDENTIFICATION]



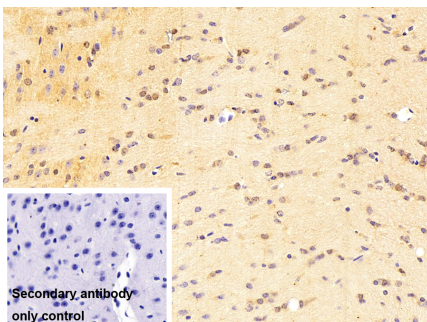
Western Blot; Sample: PC3 cell lysate
 Primary Ab: 0.06µg/ml Rabbit Anti-Human AhR Antibody
 Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
 (Catalog: SAA544Rb19)



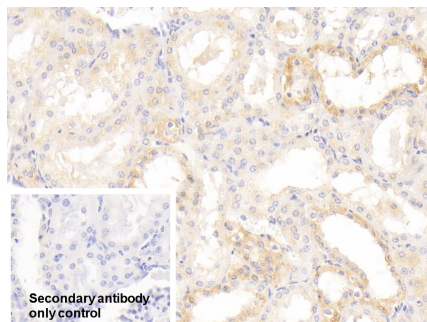
Western Blot; Sample: Lane1: MCF7 cell lysate; Lane2: 293T cell lysate; Lane3: 3T3-L1 cell lysate; Lane4: Mouse Cerebrum lysate
 Primary Ab: 4µg/ml Rabbit Anti-Human AhR Antibody
 Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
 (Catalog: SAA544Rb19)



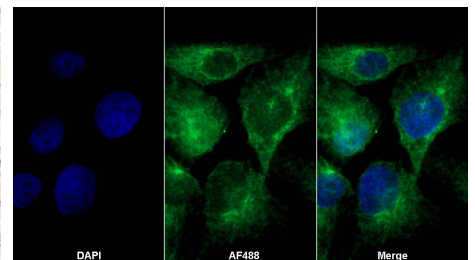
Knockout Varification:
 Lane 1: Wild-type MCF7 cell lysate; Lane 2: AhR knockout MCF7 cell lysate;
 Predicted MW: 96kd
 Observed MW: 95kd
 Primary Ab: 4µg/ml Rabbit Anti-Human AhR Antibody
 Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
 (Catalog: SAA544Rb19)



DAB staining on IHC-P;
 Sample: Mouse Cerebrum Tissue
 Primary Ab: 10µg/ml Rabbit Anti-Human AhR Antibody
 Control: Used PBS instead of primary antibody



DAB staining on IHC-P;
 Sample: Human Kidney Tissue
 Primary Ab: 20µg/ml Rabbit Anti-Human AhR Antibody
 Control: Used PBS instead of primary antibody



AF488 staining on IF;
 Sample: HeLa cell
 Primary Ab: 20µg/ml Rabbit Anti-Human AhR Antibody
 Second Ab: 2µg/ml AF488-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

Second Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)	antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)	(Catalog: SAA544Rb11)
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[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.