

AHR Rabbit mAb

Catalog No.: A28827 **Recombinant**

Basic Information

Observed MW

100 kDa

Calculated MW

95 kDa

Category

Primary antibody

Applications

WB,IP,IHC-P,ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC81460

Background

The protein encoded by this gene is a ligand-activated helix-loop-helix transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Before ligand binding, the encoded protein is sequestered in the cytoplasm; upon ligand binding, this protein moves to the nucleus and stimulates transcription of target genes. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:2000 - 1:10000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts
of whole cells

IHC-P 1:100 - 1:500

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

11622

Swiss Prot

P30561

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

Ah; In; Ahh; Ahre; bHLHe76

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

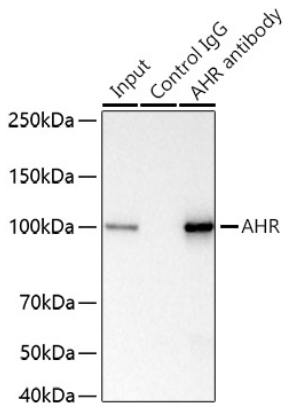
Contact

 | 400-999-6126

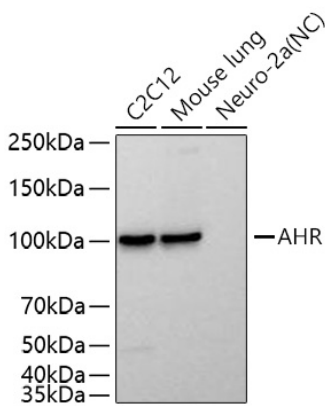
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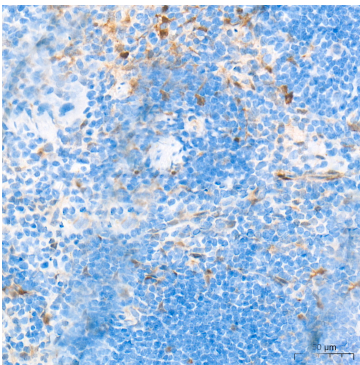
Validation Data



Immunoprecipitation of AHR from 300 μ g extracts of C2C12 cells was performed using 2 μ g of AHR Rabbit mAb (A28827). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using AHR Rabbit mAb (A28827) at a dilution of 1:5000.



Western blot analysis of various lysates using AHR Rabbit mAb (A28827) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): Neuro-2a. Exposure time: 20 s.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using AHR Rabbit mAb (A28827) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.