

# [KO Validated] AHR Rabbit Polyclonal Antibody



CAB18035

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

125kDa

### Calculated MW:

96kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:200 - 1:2000 IHC 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

196

### Uniprot

P35869

### Synonyms:

AHR; bHLHe76

### Immunogen:

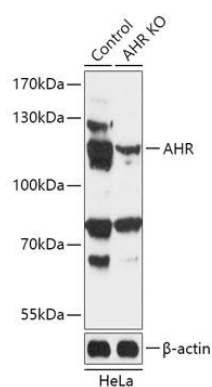
Recombinant fusion protein containing a sequence corresponding to amino acids 619-848 of human AHR (NP\_001612.1).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts from normal (control) and AHR knockout (KO) HeLa cells, using AHR antibody (CAB18035) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.