

AHR Rabbit PolymAb®

Catalog NO.: A22464PM

Basic Information

Observed MW

100 kDa

Calculated MW

96kDa

Category

Monoclonal Antibodies

Applications

WB, IHC-P, IF/ICC, ChIP, ELISA

Cross-Reactivity

Human

Conjugation

Unconjugated

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.

Recommended Dilutions

WB 1:2000 - 1:10000

IHC-P 1:100 - 1:500

IF/ICC 1:50 - 1:200

ChIP 1 µg antibody for 10 µg - 15 µg of Chromatin

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Contact

Immunogen Information

Gene ID

196

Swiss Prot

P35869

Immunogen

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

Synonyms

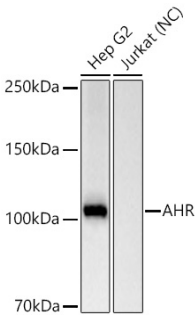
RP85; bHLHe76

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Western blot analysis of various lysates using AHR Rabbit PolymAb® (A22464PM) at 1:10000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

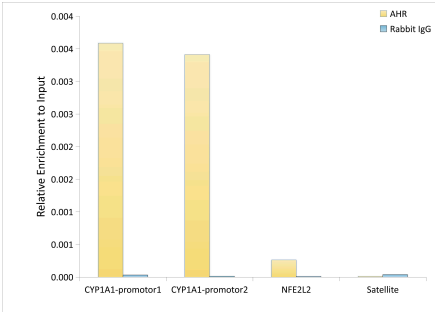
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

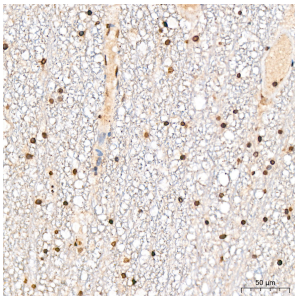
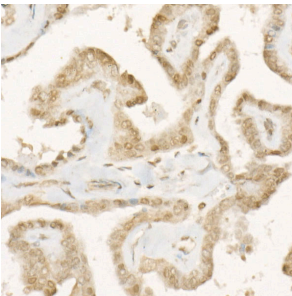
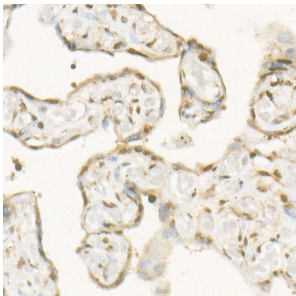
Detection: ECL Basic Kit (RM00020).

Negative control (NC): Jurkat

Exposure time: 20s.



Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from T-47D cells were treated with BNF(1 µM, 45min), using 2 µg of AHR Rabbit PolymAb® (A22464PM) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.

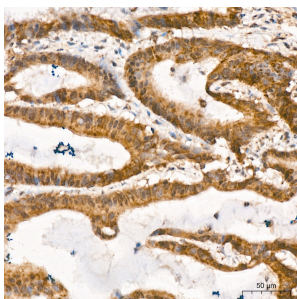


Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

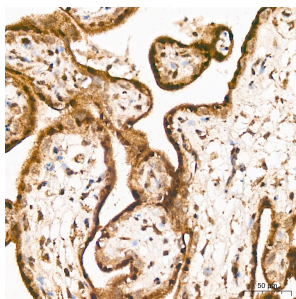
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human brain tissue using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

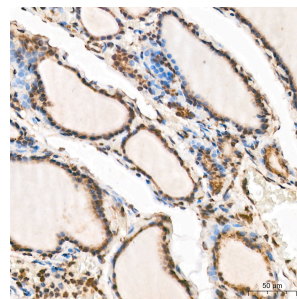
Validation Data



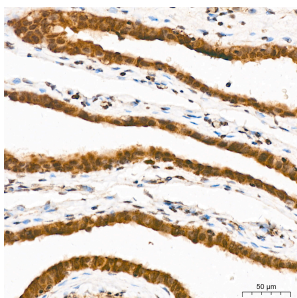
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



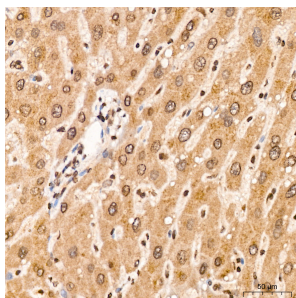
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



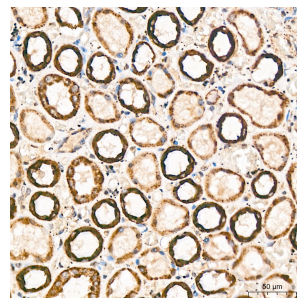
Immunohistochemistry analysis of paraffin-embedded Human thyroid tissue using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



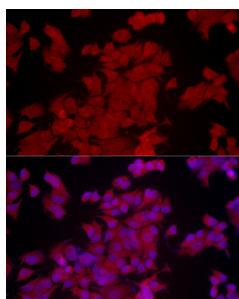
Immunohistochemistry analysis of paraffin-embedded Human fallopian tube tissue using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of MCF7 cells using AHR Rabbit PolymAb® (A22464PM) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat anti-Rabbit IgG

(H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

