Product datasheet

Anti-AHR Antibody

Catalog Number: *A00225-4*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-AHR Antibody
Gene Name	AHR
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human Aryl hydrocarbon Receptor/AHR recombinant protein (Position: A6-L842).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	100 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

The aryl hydrocarbon receptor (AhR or AHR or ahr or ahR) is a protein that in humans is encoded by the AHR gene. It is mapped to 7p21.1. 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.

Reference

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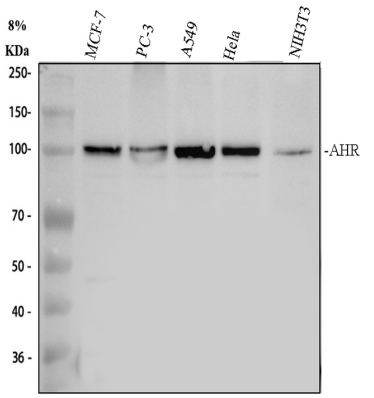
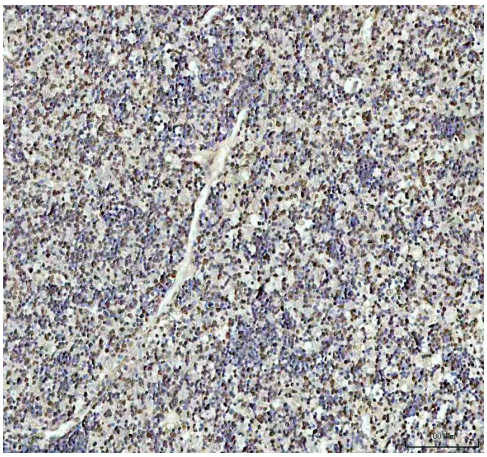
Anti-AHR Antibody被引用在10文献中。

Selected Validation Data



Western blot analysis of AHR using anti-AHR antibody (A00225-4). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human MCF-7 whole cell lysates,
Lane 2: human PC-3 whole cell lysates,
Lane 3: human A549 whole cell lysates,
Lane 4: human Hela whole cell lysates,
Lane 5: mouse NIH/3T3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-AHR antigA03957-Aen affinity purified polyclonal antibody (A00225-4) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for AHR at approximately 100 kDa. The expected band size for AHR is at 96 kDa.



IHC analysis of AHR using anti-AHR antibody (A00225-4).
AHR was detected in a paraffin-embedded section of human spleen tissue. The tissue section was incubated with rabbit anti-AHR Antibody (A00225-4) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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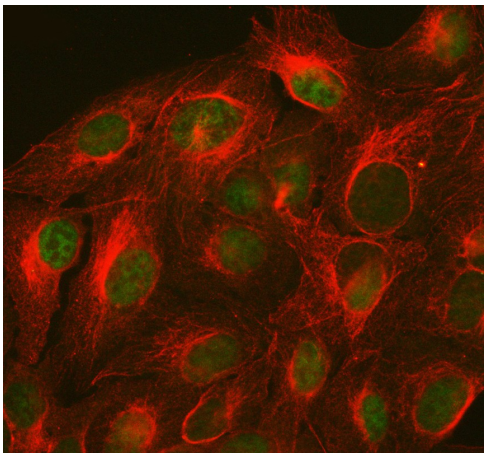

IF analysis of AHR using anti-AHR antibody (A00225-4) and anti-Beta Tubulin antibody (M01857-3).
AHR was detected in an immunocytochemical section of U2OS cells. The section was incubated with rabbit anti-AHR Antibody (A00225-4) at a dilution of 1:100. Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green) (Catalog # BA1127) and Cy3-conjugated Anti-mouse IgG Secondary Antibody (red) (Catalog # BA1031) were used as secondary antibody.