

Anti-Aryl Hydrocarbon Receptor Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

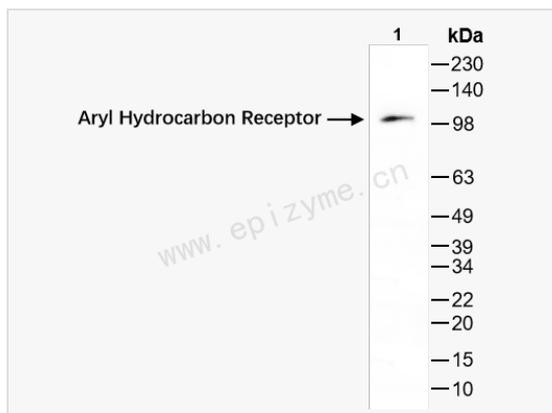
Catalog # R012909

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	20L51M55
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Aryl hydrocarbon Receptor
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Aryl Hydrocarbon Receptor Rabbit mAb [20L51M55] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Ah receptor; AhR; AHR_HUMAN; Aromatic hydrocarbon receptor; Aryl hydrocarbon receptor; Aryl hydrocarbon receptor precursor; bHLHe76; Class E basic helix loop helix protein 76; Class E basic helix-loop-helix protein 76; HGNC:348.
Calculated MW	Calculated MW: 96 kDa; Observed MW: 100 kDa
Uniprot ID	P35869
Gene ID	196
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. [provided by RefSeq, Sep 2015]



Western Blot - Anti-Aryl Hydrocarbon Receptor Rabbit mAb [20L51M55]

All lanes: R012909 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

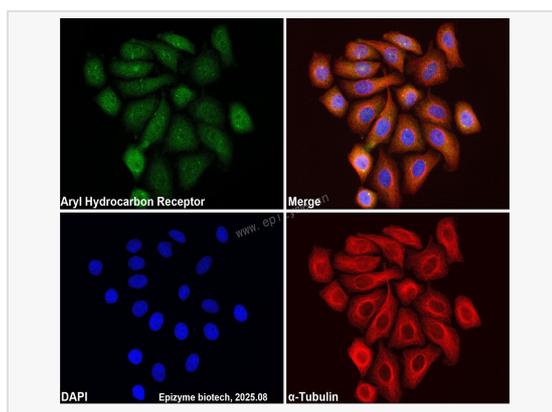
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 96 kDa

Observed band size: 100 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Aryl Hydrocarbon Receptor Rabbit mAb [20L51M55]

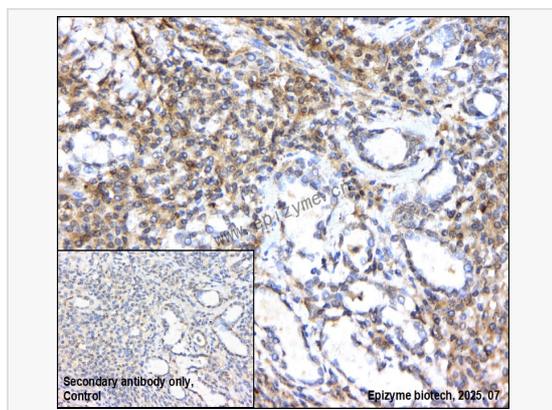
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R012909 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (CY3) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Aryl Hydrocarbon Receptor Rabbit mAb [20L51M55]

Sample: Paraformaldehyde-fixed, paraffin embedded human lung cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012909 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.