

KD-Validated Anti-Aryl hydrocarbon receptor Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

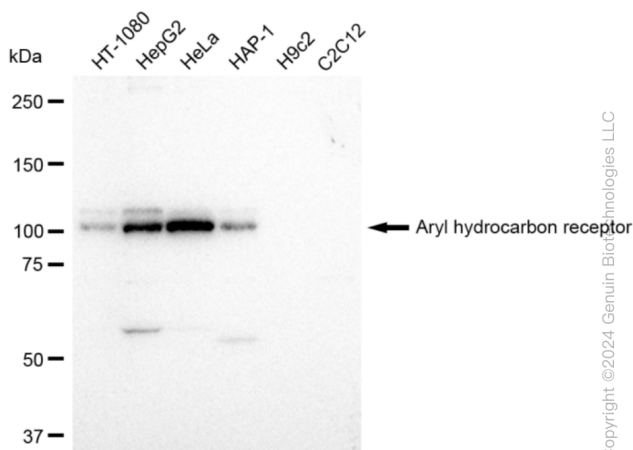
ABG1170

Product Overview

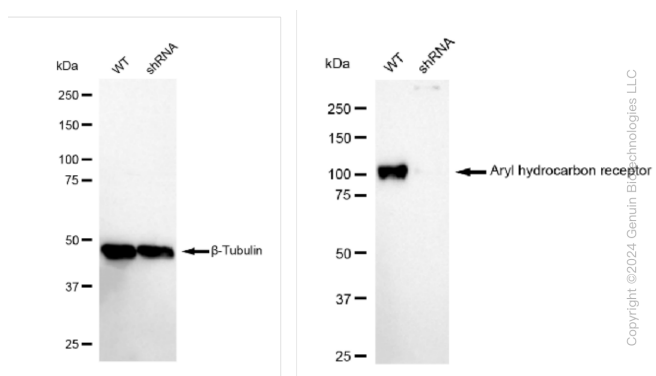
Name	KD-Validated Anti-Aryl hydrocarbon receptor Rabbit Monoclonal Antibody
Accession(Primary)	P35869
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human AhR
Species Reactivity	Human
Calculated MW	Predicted, 96 kDa , observed, 105 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P35869)

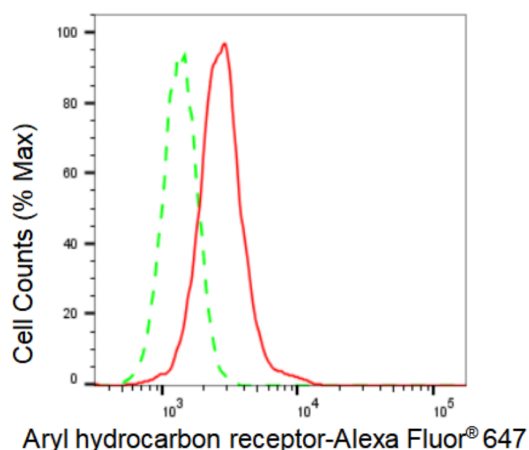
Gene Name	AHR
About Gene Symbol	AHR (Aryl Hydrocarbon Receptor) is a membrane receptor involved in receptor-mediated signaling. It is an important research target in cell signaling, drug discovery, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



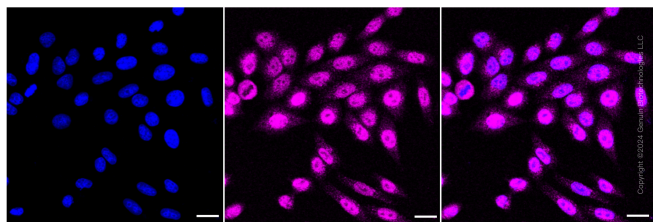
Western blotting analysis using anti-Aryl hydrocarbon receptor antibody (Cat#ABG1170). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Aryl hydrocarbon receptor antibody (Cat#ABG1170, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Aryl hydrocarbon receptor antibody (Cat#ABG1170). Aryl hydrocarbon receptor expression in wild type (WT) and aryl hydrocarbon receptor shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Aryl hydrocarbon receptor antibody (Cat#ABG1170, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Aryl hydrocarbon receptor expression in HepG2 cells using Aryl hydrocarbon receptor antibody (Cat#ABG1170, 1:2,000). Green, isotype control; red, Aryl hydrocarbon receptor.



Immunocytochemical staining of HepG2 cells with Aryl hydrocarbon receptor antibody (Cat#ABG1170, 1:1,000). Nuclei were stained blue with DAPI; Aryl hydrocarbon receptor was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.