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AHR (N1) Antibody, Rabbit Polyclonal

Cat#: R3071-1

Quantity: 100 ul

Predicted | Observed MW: 96 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P35869

Background:

Aryl hydrocarbon receptor (AHR) is a ligand-activated transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. AHR has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Its ligands included a variety of aromatic hydrocarbons. AHR binds to the XRE promoter region of target genes, and activates the expression of multiple phase I and II xenobiotic chemical metabolizing enzyme genes (such as the CYP1A1 gene). AHR mediates biochemical and toxic effects of halogenated aromatic hydrocarbons. AHR is involved in cell-cycle regulation, and is likely to play an important role in the development and maturation of many tissues.

Other Names:

Aryl hydrocarbon receptor, Ah receptor, AhR, Class E basic helix-loop-helix protein 76, bHLHe76, BHLHE76

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human AHR. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

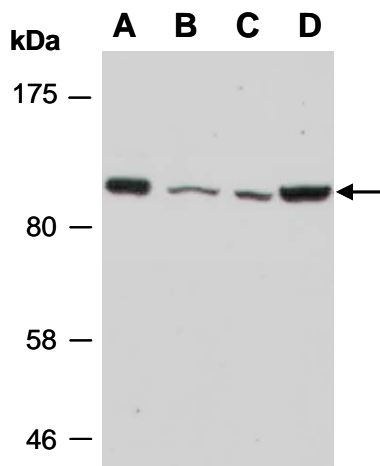


Fig 1. Western blot of total cell extracts from A) mouse brain, B) mouse thymus, C) human HeLa, D) human Jurkat; using anti- AHR (N1) (R3071-1) at RT for 2 h.