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Datasheet for ABIN6256291 anti-Aryl Hydrocarbon Receptor antibody (pSer36)

4 Images



Overview

| Quantity: | 100 μL |
|----------------------|---|
| Target: | Aryl Hydrocarbon Receptor (AHR) |
| Binding Specificity: | pSer36 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Aryl Hydrocarbon Receptor antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

| Immunogen: | A synthesized peptide derived from human AhR around the phosphorylation site of Serine 36 |
|-------------------|---|
| Isotype: | lgG |
| Specificity: | Phospho-AhR (Ser36) Antibody detects endogenous levels of AhR only when phosphorylated at Serine 36 |
| Cross-Reactivity: | Human, Mouse (Murine), Rat (Rattus) |
| Purification: | The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns. |

Target Details

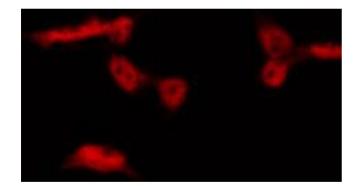
| Target: |
|---------|
|---------|

Aryl Hydrocarbon Receptor (AHR)

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| Target Details | | |
|---------------------|---|--|
| Alternative Name: | AhR (AHR Products) | |
| Background: | Description: Ligand-activated transcriptional activator. Binds to the XRE promoter region of genes it activates. Activates the expression of multiple phase I and II xenobiotic chemical metabolizing enzyme genes (such as the CYP1A1 gene). Mediates biochemical and toxic effects of halogenated aromatic hydrocarbons. Involved in cell-cycle regulation. Likely to play an important role in the development and maturation of many tissues. Regulates the circadian clock by inhibiting the basal and circadian expression of the core circadian component PER1. Inhibits PER1 by repressing the CLOCK-ARNTL/BMAL1 heterodimer mediated transcriptional activation of PER1. Gene: AHR | |
| Molecular Weight: | 90kDa | |
| Gene ID: | 196 | |
| UniProt: | P35869, A9YTQ3 | |
| Pathways: | Regulation of Cell Size | |
| Application Details | | |
| Application Notes: | WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500 | |
| Restrictions: | For Research Use only | |
| Handling | | |
| Format: | Liquid | |
| Concentration: | 1 mg/mL | |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. | |
| Preservative: | Sodium azide | |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. | |
| Storage: | -20 °C | |
| Storage Comment: | Store at -20 °C.Stable for 12 months from date of receipt | |
| Expiry Date: | 12 months | |

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Immunofluorescence (fixed cells)

Image 1. ABIN6267489 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

kDa 1 2 250-150-100-75-50-37-25-20-15-250 150 -100 70 -

+ - N Peptide

-+

Western Blotting

Image 2. Western blot analysis of AhR phosphorylation expression in HepG2 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

Western Blotting

Image 3. Western blot analysis of Phospho-AhR (Ser36) expression in various lysates

Please check the product details page for more images. Overall 4 images are available for ABIN6256291.

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