芳香烃受体抗体

产品货号： mIR21601

英文名称： AHR

中文名称： 芳香烃受体抗体

别　　名： Ah receptor; AHR; Aromatic hydrocarbon receptor; Aryl hydrocarbon receptor; Aryl hydrocarbon receptor precursor; BHLHE76; Class E basic helix loop helix protein 76; HGNC:348; AHR_HUMAN.

研究领域： 肿瘤　免疫学　信号转导　转录调节因子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 93kDa

细胞定位： 细胞核 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from mouse AHR:191-290/805

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： This gene encodes a ligand-activated 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. Its ligands included a variety of aromatic hydrocarbons.

Function:

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.

Subcellular Location:

Cytoplasm. Nucleus. Initially cytoplasmic; upon binding with ligand and interaction with a HSP90, it translocates to the nucleus.

Tissue Specificity:

Expressed in all tissues tested including blood, brain, heart, kidney, liver, lung, pancreas and skeletal muscle.

Similarity:

Contains 1 basic helix-loop-helix (bHLH) domain.

Contains 1 PAC (PAS-associated C-terminal) domain.

Contains 2 PAS (PER-ARNT-SIM) domains.

SWISS:

P30561

Gene ID:

11622

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

转录调节因子（Transcriptin Regulators）

芳香烃受体（AHR）是一种配体激活转录因子,可介导多环芳烃类化合物的毒性（包括致癌性）反应,还参与一些重要的生物学过程,如信号转导、细胞分化、细胞凋亡等。人体的肺、肝、肾、胎盘、腭扁桃体、B淋巴细胞等各种组织和细胞中都存在 AHR。AHR 对生长发育和生理功能等具有调控作用,在一些癌症（乳腺癌和卵巢癌等）发生发展中起促进作用。

产品图片