

产品名称: HIF-1 β /ARNT(4C5)Mouse Monoclonal Antibody
产品货号: AMM12019



产品概述 (Summary)

产品名称 (Production Name)	HIF-1 β /ARNT(4C5)Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ARNT ARNT; BHLHE2; Aryl hydrocarbon receptor nuclear translocator; ARNT protein;
别名 (Alternative Names)	Class E basic helix-loop-helix protein 2; bHLHe2; Dioxin receptor, nuclear translocator; Hypoxia-inducible factor 1-beta; HIF-1-beta; HIF1-beta
基因 ID (Gene ID)	405.0
蛋白 ID (SwissProt ID)	P27540.Recombinant Protein of HIF-1 β

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:2000,IHC 1:100-1:200,ICC/IF 1:50-1:200
蛋白分子量 (Molecular Weight)	87kDa

产品名称: HIF-1 β /ARNT(4C5)Mouse Monoclonal Antibody
产品货号: AMM12019



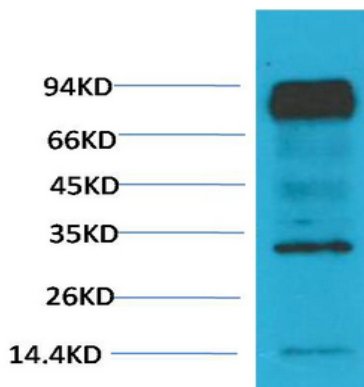
研究背景 (Background)

This gene encodes a protein containing a basic helix-loop-helix domain and two characteristic PAS domains along with a PAC domain. The encoded protein binds to ligand-bound aryl hydrocarbon receptor and aids in the movement of this complex to the nucleus, where it promotes the expression of genes involved in xenobiotic metabolism. This protein is also a co-factor for transcriptional regulation by hypoxia-inducible factor 1. Chromosomal translocation of this locus with the ETV6 (ets variant 6) gene on chromosome 12 have been described in leukemias. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2013],function:Required for activity of the Ah (dioxin) receptor. This protein is required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding. The complex then initiates transcription of genes involved in the activation of PAH procarcinogens. The heterodimer with HIF1A or EPAS1/HIF2A functions as a transcriptional regulator of the adaptive response to hypoxia.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,similarity:Contains 1 PAC (PAS-associated C-terminal) domain.,similarity:Contains 2 PAS (PER-ARNT-SIM) domains.,subunit:Efficient DNA binding requires dimerization with another bHLH protein. Forms a heterodimer with AHR, AHRR, HIF1A and EPAS1/HIF2A as well as with other bHLH proteins. Interacts with TACC3 (By similarity). Interacts with NOCA7.,

研究领域 (Research Area)

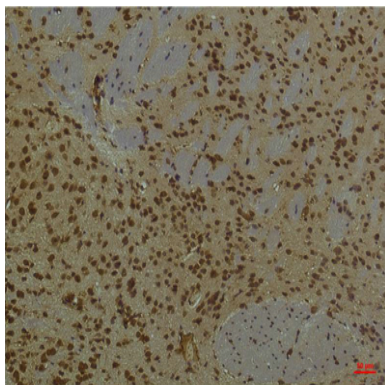
Pathways in cancer;Renal cell carcinoma;

图片 (Image Data)



Western blot analysis of Mouse Brain Tissue with HIF-1 β /ARNT Mouse mAb diluted at 1:2,000.

产品名称: HIF-1 β /ARNT(4C5)Mouse Monoclonal Antibody
产品货号: AMM12019



Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using HIF-1 β /ARNT Mouse mAb diluted at 1:200.

注意事项 (Note)

For research use only .