

产品名称: Arnt 2 Rabbit Polyclonal Antibody
产品货号: APRab07153



产品概述 (Summary)

产品名称 (Production Name)	Arnt 2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
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)	Polyclonal
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)	ARNT2
别名 (Alternative Names)	ARNT2; BHLHE1; KIAA0307; Aryl hydrocarbon receptor nuclear translocator 2; ARNT protein 2; Class E basic helix-loop-helix protein 1; bHLHe1
基因 ID (Gene ID)	9915.0
蛋白 ID (SwissProt ID)	Q9HBZ2.The antiserum was produced against synthesized peptide derived from human ARNT2. AA range:21-70

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	79kDa

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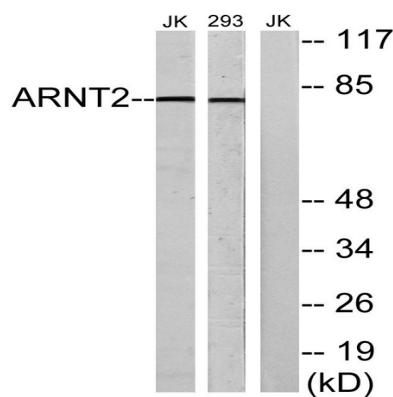
研究背景 (Background)

aryl hydrocarbon receptor nuclear translocator 2 (ARNT2) Homo sapiens This gene encodes a member of the basic-helix-loop-helix-Per-Arnt-Sim (bHLH-PAS) superfamily of transcription factors. The encoded protein acts as a partner for several sensor proteins of the bHLH-PAS family, forming heterodimers with the sensor proteins that bind regulatory DNA sequences in genes responsive to developmental and environmental stimuli. Under hypoxic conditions, the encoded protein complexes with hypoxia-inducible factor 1alpha in the nucleus and this complex binds to hypoxia-responsive elements in enhancers and promoters of oxygen-responsive genes. A highly similar protein in mouse forms functional complexes with both aryl hydrocarbon receptors and Single-minded proteins, suggesting additional roles for the encoded protein in the metabolism of xenobiotic compounds and the regulation of neurogenesis, respectively. [provided by RefSeq, Dec 2013], function: Specifically recognizes the xenobiotic response element (XRE), 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. Heterodimer with the aryl hydrocarbon receptor (AHR) or the SIM1 protein. Interacts with TACC3,

研究领域 (Research Area)

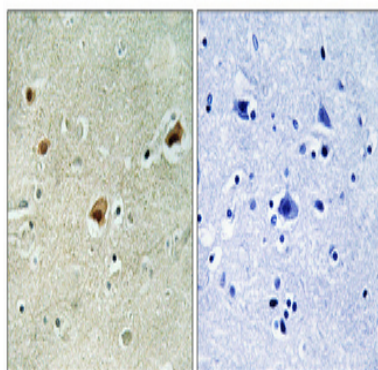
Pathways in cancer; Renal cell carcinoma;

图片 (Image Data)



Western blot analysis of lysates from Jurkat and 293 cells, using ARNT2 Antibody. The lane on the right is blocked with the synthesized peptide.

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Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .