

产品名称: HIF1A Mouse Monoclonal Antibody
产品货号: AMM80975



产品概述 (Summary)

产品名称 (Production Name)	HIF1A Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA
种属反应性 (Reactivity)	Human,Mouse,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
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)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HIF1A
别名 (Alternative Names)	HIF1; MOP1; PASD8; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF1A
基因 ID (Gene ID)	3091.0
蛋白 ID (SwissProt ID)	Q16665.Purified recombinant fragment of human HIF1A expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	120kDa

研究背景 (Background)

Hypoxia-inducible factor-1 (HIF1) is a transcription factor found in mammalian cells cultured under reduced oxygen tension that plays an essential role in cellular and systemic homeostatic responses to hypoxia. HIF1 is a heterodimer composed of

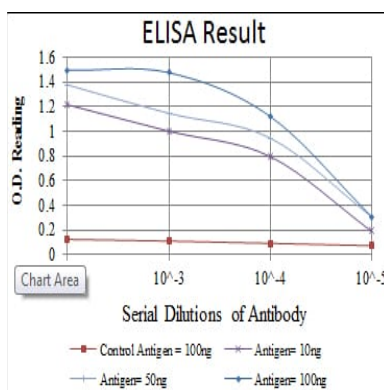
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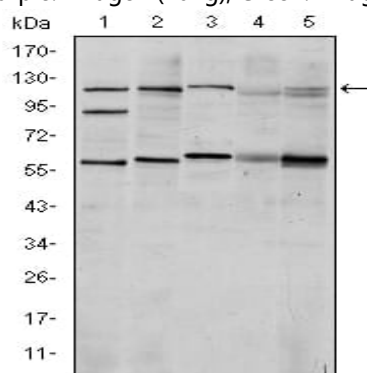
an alpha subunit and a beta subunit. The beta subunit has been identified as the aryl hydrocarbon receptor nuclear translocator (ARNT). This gene encodes the alpha subunit of HIF-1. Overexpression of a natural antisense transcript (aHIF) of this gene has been shown to be associated with nonpapillary renal carcinomas. Two alternative transcripts encoding different isoforms have been identified. (provided by RefSeq) Tissue specificity: Expressed in most tissues with highest levels in kidney and heart. Overexpressed in the majority of common human cancers and their metastases, due to the presence of intratumoral hypoxia and as a result of mutations in genes encoding oncoproteins and tumor suppressors.

研究领域 (Research Area)

图片 (Image Data)

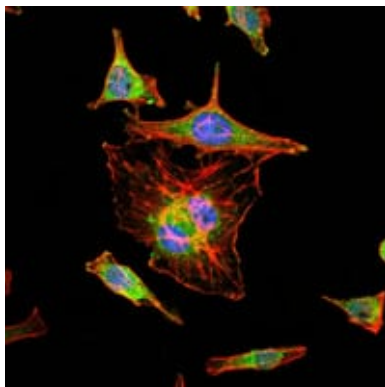


Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

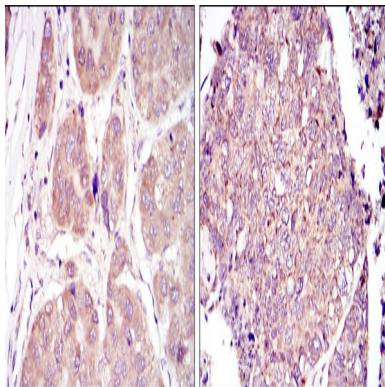


Western blot analysis using HIF1A mouse mAb against Cos7 (1), Hela (2), Jurkat (3), RAJI (4) and NIH/3T3 (5) cell lysate.

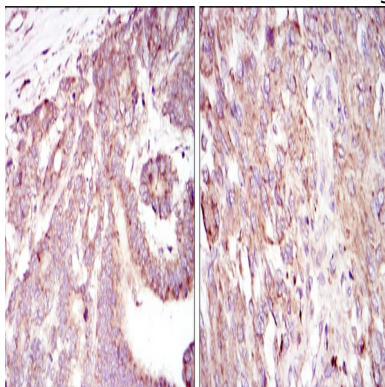
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Immunofluorescence analysis of Hela cells using HIF1A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues (left) and lung cancer tissues (right) using HIF1A mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues (left) and brain tumor tissues (right) using HIF1A mouse mAb with DAB staining.

注意事项 (Note)

For research use only .