



产品详情

HIF-1-alpha(9U11)Rabbit Monoclonal Antibody

产品货号	产品名称	储存条件	保质期
IM37100	HIF-1-alpha(9U11)Rabbit Monoclonal Antibody	-20℃	1 年

产品概述:

产品货号	IM37100
别名	HIF1;MOP1;PASD8;bHLHe78;HIF-1alpha;HIF1-ALPHA;HIF1A
产品名称	HIF-1-alpha(9U11)Rabbit Monoclonal Antibody
纯度	Affinity-chromatography
类别	抗体产品
基因名称	HIF1A
推荐应用	WB, IF-ICC, IP
反应种属	Human, Mouse, Rat
存储缓冲液	Supplied in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Human Gene ID	3091
Human Swissprot No.	Q16665
免疫原	Recombinant protein of human HIF-1-alpha
稀释度	WB 1:1000, IF-ICC 1:200-1:500, IP 1:20-1:50
参考分子量	120kDa

预测分子量	92kDa
运输及保存条件	Biological ice bag transportation.Store at -20℃ for at least 12 months(Do not lower than 25℃).Avoid freeze/thaw cycles.
宿主	Rabbit
同种型	IgG
注意事项	HIF-1-alpha Antibody is for research use only and not for use in diagnostic or therapeutic procedures.HIF1A{ECO:0000303 PubMed:7539918, ECO:0000312 HGNC:HGNC:4910}.
组织表达	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.A higher level expression seen in pituitary tumors as compared to the pituitary gland.
细胞定位	Cytoplasm.Nucleus.Nucleus speckle{ECO:0000250 UniProtKB:Q61221}. Note=Colocalizes with HIF3A in the nucleus and speckles(By similarity).Cytoplasmic in normoxia, nuclear translocation in response to hypoxia(PubMed:9822602) {ECO:0000250 UniProtKB:Q61221, ECO:0000269 PubMed:9822602}.
功能	Functions as a master transcriptional regulator of the adaptive response to hypoxia(PubMed:11292861, PubMed:11566883, PubMed:15465032, PubMed:16973622, PubMed:17610843, PubMed:18658046, PubMed:20624928, PubMed:22009797, PubMed:9887100, PubMed:30125331). Under hypoxic conditions,activates the transcription of over 40 genes,including erythropoietin,glucose transporters,glycolytic enzymes,vascular endothelial growth factor,HILPDA,and other genes whose protein products increase oxygen delivery or facilitate

功能	metabolic adaptation to hypoxia(PubMed:11292861, PubMed:11566883, PubMed:15465032, PubMed:16973622, PubMed:17610843, PubMed:20624928, PubMed:22009797, PubMed:9887100, PubMed:30125331). Plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease(PubMed:22009797). Heterodimerizes with ARNT; heterodimer binds to core DNA sequence 5'-TACGTG-3' within the hypoxia response element(HRE) of target gene promoters(By similarity). Activation requires recruitment of transcriptional coactivators such as CREBBP and EP300 (PubMed:9887100, PubMed:16543236). Activity is enhanced by interaction with NCOA1 and/or NCOA2(PubMed:10594042). Interaction with redox regulatory protein APEX1 seems to activate CTAD and potentiates activation by NCOA1 and CREBBP(PubMed:10202154, PubMed:10594042). Involved in the axonal distribution and transport of mitochondria in neurons during hypoxia(PubMed:19528298).
Clonality	Monoclonal

注意事项:

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