Recombinant DGRmAb®

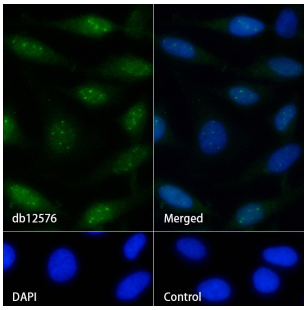
HIF-1-alpha (DGR11600) Rabbit mAb (PBS Only)

db12576-PBS **Package : 10μg 100μg**

Product Name : HIF-1-alpha (DGR11600) Rabbit mAb (PBS Only)
Cat.No.: db12576-PBS
Synonyms : HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF-1-alpha
Application : WB, IHC, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

Background	This gene encodes the alpha subunit of transcription factor hypoxia-inducible factor-1 (HIF-1), which is a heterodimer composed of an alpha and a beta subunit. HIF-1 functions as a master regulator of cellular and systemic homeostatic response to hypoxia by activating transcription of many genes, including those involved in energy metabolism, angiogenesis, apoptosis, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. HIF-1 thus plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2011]
Immunogen	A synthetic peptide of human HIF-1-alpha
Gene ID	3091
Swiss Prot	Q16665
Synonyms	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF-1-alpha
Reactivity	Human
Application	WB, IHC, ICC/IF, FC, IP
Calculated MW	93 kDa
Observed MW	120 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11600
Isotype	IgG
Purity	Affinity Purification

Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HeLa cells labelling HIF-1-alpha with db12576.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12576 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.