

Recombinant

DGRmAb®

## HIF-1-alpha (DGR11600) Rabbit mAb

db12576

Package : 10µL 20µL 50µL 100µL

**Product Name :** HIF-1-alpha (DGR11600) Rabbit mAb**Cat.No.:** db12576**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

**Recommended dilution**

WB: 1:1000

IHC: 1:100

ICC/IF: 1:200-1:500

FC: 1:500-1:2000

IP: 1:50-1:200

**Calculated MW**

93 kDa

**Observed MW**

120 kDa

**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR11600
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.