

HIF-1 alpha Recombinant antibody

Cat: B08007R

Company: HaoKebio

Uniprot ID: Q16665

Applications: IHC:1:200-1:500

Organism: Rabbit

IHC-Polymer:1:800-1:2000

Species reactivity: Human Mouse Rat

IHC-TSA:1:1000-1:2500

WB:1:500-1:1000

Background:

HIF1a, the major regulator of the cellular responses to hypoxia, consists of an oxygen-sensitive subunit, HIF1 alpha (HIF1A), and an oxygen-insensitive subunit, HIF1 beta (arylhydrocarbon receptor nuclear transporter [ARNT]). Under normal oxygen conditions, HIF1a is continuously produced and destroyed, in a process involving hydroxylation, interaction with von Hippel-Lindau (VHL) protein, polyubiquitylation and subsequent proteasomal degradation. Under hypoxic conditions, hydroxylation is impaired and HIF1a is stabilized. HIF1a localizes in cytoplasm in normoxia, but it can translocate into nucleus in response to hypoxia. The calculated molecular weight of HIF1a is 93 kDa, but the modified protein HIF1a is about 110-120kDa.

Protein full name:

hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)

Synonyms:

HIF1A, HIF 1 α , HIF 1 alpha, Class E basic helix-loop-helix protein 78, Basic-helix-loop-helix-PAS protein MOP1

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 μ g/ml BSA and 50% glycerol.

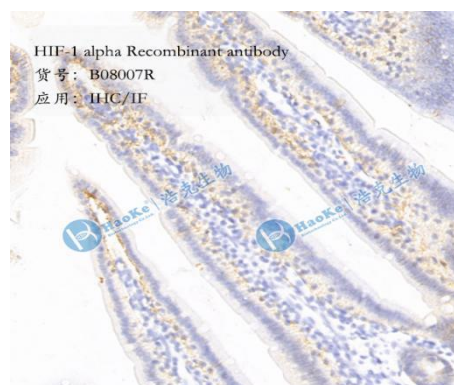
Storage:

Store at -20 $^{\circ}$ C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4 $^{\circ}$ C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse intestine, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:HIF-1 alpha(B08007R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:HIF-1 alpha(B08007R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.