

HIF-1alpha Rabbit mAb

Catalog No.: A22041 Recombinant 19 Publications

Basic Information

Observed MW

120kDa

Calculated MW

93kDa

Category

Primary antibody

Applications

WB,ELISA

Cross-Reactivity

Human

Clone/No number

ARC0135

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.

Recommended Dilutions

WB 1:500 - 1:1000

ELISA Recommended starting concentration is 1 μ g/mL.
 Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

3091

Swiss Prot

Q16665

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF-1-alpha

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data

