

HIF2A Polyclonal antibody

Catalog Number: 21911-1-AP

1 Publications

Basic Information

Catalog Number:

21911-1-AP

Size:

540 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15199

GenBank Accession Number:

BC051338

GeneID (NCBI):

2034

UNIPROT ID:

Q99814

Full Name:

endothelial PAS domain protein 1

Calculated MW:

96 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Background Information

Endothelial PAS domain-containing protein 1 (EPAS1), also known as Hypoxia-inducible factor 2-alpha (HIF2-alpha, HIF2A), is a transcription factor involved in the induction of oxygen regulated genes. Binds to core DNA sequence 5'-[AG]CGTG-3' within the hypoxia response element (HRE) of target gene promoters. Regulates the vascular endothelial growth factor (VEGF) expression and seems to be implicated in the development of blood vessels and the tubular system of lung. May also play a role in the formation of the endothelium that gives rise to the blood brain barrier. Potent activator of the Tie-2 tyrosine kinase expression. Activation seems to require recruitment of transcriptional coactivators such as CREBPD and probably EP300. Interaction with redox regulatory protein APEX seems to activate CTAD. EPAS1 is expressed in most tissues, with highest levels in placenta, lung and heart. Selectively expressed in endothelial cells. The molecular weight is about 96kd.

Notable Publications

Author	Pubmed ID	Journal	Application
Muhammad Subhan Amir	35411937	J Cell Physiol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

