



Anti-EPAS1 (aa 350-450) polyclonal antibody (DPABH-26010)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 CREBPB and probably EP300. Interaction with redox regulatory protein APEX seems to activate CTAD.
Immunogen	Synthetic peptide corresponding to Human HIF-2-alpha aa 350-450 conjugated to Keyhole Limpet Haemocyanin (KLH).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituent: PBS
Preservative	0.02% Sodium Azide

Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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GENE INFORMATION

Gene Name	EPAS1 endothelial PAS domain protein 2 [Homo sapiens]
Official Symbol	EPAS1
Synonyms	EPAS1; endothelial PAS domain protein 1; HLF; MOP2; ECYT4; HIF2A; PASD2; bHLHe73; endothelial PAS domain-containing protein 1; EPAS-1; HIF2-alpha; HIF-2-alpha; HIF-1alpha-like factor; HIF-1-alpha-like factor; member of PAS protein 2; PAS domain-containing protein 2; hypoxia-inducible factor 2 alpha; hypoxia-inducible factor 2-alpha; basic-helix-loop-helix-PAS protein MOP2; class E basic helix-loop-helix protein 73;
Entrez Gene ID	2034
Protein Refseq	NP_001421.2
UniProt ID	B3KW07
Pathway	Adipogenesis; Cellular responses to stress; HIF-2-alpha transcription factor network; Oxygen-dependent proline hydroxylation of Hypoxia-inducible Factor Alpha
Function	DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; histone acetyltransferase binding; protein binding