

HIF2 alpha Rabbit mAb

Catalog # AP76909

Product Information

Application	WB, IF, FC, ICC
Primary Accession	Q99814
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human HIF-2 alpha
Purification	Affinity Chromatography
Calculated MW	96459

Additional Information

Gene ID	2034
Other Names	EPAS1
Dilution	WB~~1/500-1/1000 IF~~1:50~200 FC~~1:10~50 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	EPAS1
Synonyms	BHLHE73, HIF2A, MOP2, PASD2
Function	Transcription factor involved in the induction of oxygen regulated genes. Heterodimerizes with ARNT; heterodimer binds to core DNA sequence 5'-TACGTG-3' within the hypoxia response element (HRE) of target gene promoters (By similarity). 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 requires recruitment of transcriptional coactivators such as CREBBP and probably EP300. Interaction with redox regulatory protein APEX1 seems to activate CTAD (By similarity).
Cellular Location	Nucleus {ECO:0000250 UniProtKB:P97481,

ECO:0000255 | PROSITE-ProRule:PRU00981}. Nucleus speckle
{ECO:0000250 | UniProtKB:P97481}. Note=Colocalizes with HIF3A in the
nucleus and speckles. {ECO:0000250 | UniProtKB:P97481}

Tissue Location

Expressed in most tissues, with highest levels in placenta, lung and heart.
Selectively expressed in endothelial cells

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