EPAS1 monoclonal antibody, clone ep190b

Catalog # MAB2348 Size 100 uL

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant EPAS1.
Immunogen	Recombinant protein corresponding to amino acids 535-631 of human EPAS1.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to HIF-2 alpha and does not cross-react with HIF-1 alpha.
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:1000) Flow Cytometry (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:150-1:300) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Gene Info — EPAS1

Entrez GeneID	2034
Protein Accession#	Q99814
Gene Name	EPAS1
Gene Alias	ECYT4, HIF2A, HLF, MOP2, PASD2, bHLHe73
Gene Description	endothelial PAS domain protein 1
Omim ID	603349
Gene Ontology	Hyperlink
Other Designations	HIF-1alpha-like factor

Publication Reference

- Expression of hypoxia-inducible factor-1alpha and its relationship to tumour angiogenesis and cell proliferation in cartilage tumours.

  Kubo T, Sugita T, Shimose S, Matsuo T, Arihiro K, Ochi M.

  The Journal of Bone and Joint Surgery. British Volume 2008 Mar; 90(3):364.

  Application: IHC-P, Human, Human chondrosarcoma

- Cyr61/CCN1 and CTGF/CCN2 mediate the proangiogenic activity of VHL-mutant renal carcinoma cells.

  Chintalapudi MR, Markiewicz M, Kose N, Dammai V, Champion KJ, Hoda RS, Trojanowska M, Hsu T.

  Carcinogenesis 2008 Apr; 29(4):696.

  Application: WB-Tr, Human, 786-0 cells

- Targeting the loss of the von Hippel-Lindau tumor suppressor gene in renal cell carcinoma cells.

  Sutphin PD, Chan DA, Li JM, Turcotte S, Krieg AJ, Giaccia AJ.

  Cancer Research 2007 Jun; 67(12):5896.

  Application: WB, Human, RCC4 cells

- Involvement of hypoxia-inducible transcription factors in polycystic kidney disease.

  Bernhardt WM, Wiesener MS, Weidemann A, Schmitt R, Weichert W, Lechler P, Campean V, Ong AC, Willam C, Gretz N, Eckardt KU.

  The American Journal of Pathology 2007 Mar; 170(3):830.

  Application: IHC-P, Human, Rat, Human, Rat kidney

- Induction of endothelial PAS domain protein-1 by hypoxia: characterization and comparison with hypoxia-inducible factor-1alpha.

  Wiesener MS, Turley H, Allen WE, Willam C, Eckardt KU, Talks KL, Wood SM, Gatter KC, Harris AL, Pugh CW, Ratcliffe PJ, Maxwell PH.

  Blood 1998 Oct; 92(7):2260.

  Application: WB-Ce, WB-Tr, Human, Monkey, COS-1, HT29, 293, Hep3B, HeLa, HMEC-1, MRC5 cells

Pathway

- Pathways in cancer
- Renal cell carcinoma

Disease

- Altitude Sickness
- Anoxia
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertension
- Polycythemia
- Retinopathy of Prematurity