

Rabbit HIF-2 alpha Monoclonal Antibody | anti-HIF2A antibody

HIF-2 alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30448	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

HIF-2 alpha; Monoclonal Antibody; HIF-2 alpha Antibody; Basic helix loop helix PAS protein MOP2 antibody; Basic-helix-loop-helix-PAS protein MOP2 antibody; bHLHe73 antibody; Class E basic helix-loop-helix protein 73 antibody; ECYT4 antibody; Endothelial PAS domain containing protein 1 antibody; Endothelial pas domain protein 1 antibody; Endothelial PAS domain-containing protein 1 antibody; EPAS 1 antibody; EPAS-1 antibody; EPAS1 antibody; EPAS1_HUMAN antibody; HIF 1 alpha like factor antibody; HIF 2 alpha antibody; HIF-1-alpha-like factor antibody; HIF-2-alpha antibody; HIF2-alpha antibody; HIF2A antibody; HLF antibody; Hypoxia inducible factor 2 alpha antibody; Hypoxia inducible factor 2 alpha subunit antibody; Hypoxia-inducible factor 2-alpha antibody; Member of PAS protein 2 antibody; Member of pas superfamily 2 antibody; MOP 2 antibody; MOP2 antibody; PAS domain-containing protein 2 antibody; PASD2 antibody; anti-HIF2A antibody

PRODUCT SPECIFICATIONS

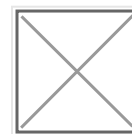
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JB24-42
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-HIF2A antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM (Flow Cytometry)

Flow cytometric analysis of HUVEC cells with HIF-2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-HIF-2 alpha antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-HIF-2 alpha antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-HIF-2 alpha antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat lung tissue using anti-HIF-2 alpha antibody. Counter stained with hematoxylin.

**WB (Western Blot)**

Western blot analysis of HIF-2 alpha on SiHa cell lysate using anti-HIF-2 alpha antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-HIF2A antibody	Cell growth and viability is compromised by oxygen deprivation (hypoxia). Hypoxia-inducible factors, including HIF-1alpha, HIF-1beta (also designated Arnt 1), EPAS-1 (also designated HIF-2alpha) and HIF-3alpha, induce glycolysis, erythropoiesis and angiogenesis in order to restore oxygen homeostasis. Hypoxia-inducible factors are members of the Per-Arnt-Sim (PAS) domain transcription factor family. In response to hypoxia, HIF-1alpha is upregulated and forms a heterodimer with Arnt 1 to form the HIF-1 complex. The HIF-1 complex recognizes and binds to the hypoxia responsive element (HRE) of hypoxia-inducible genes, thereby activating transcription. Hypoxia-inducible expression of some genes such as Glut-1, p53, p21 or Bcl-2, is HIF-1alpha dependent, whereas expression of others, such as p27, GADD 153 or HO-1, is HIF-1alpha independent. EPAS-1 and HIF-3alpha have also been shown to form heterodimeric complexes with Arnt 1 in response to hypoxia.
Product Categories/Family for anti-HIF2A antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254439
NCBI GeneID	2034
NCBI Accession #	NP_001421.2
NCBI GenBank Nucleotide #	NM_001430.4
UniProt Accession #	Q99814; Q86VA2; Q99630
Molecular Weight	96kDa
NCBI Official Full Name	endothelial PAS domain-containing protein 1
NCBI Official Synonym Full Names	endothelial PAS domain protein 1
NCBI Official Symbol	EPAS1
NCBI Official Synonym Symbols	HLF; MOP2; ECYT4; HIF2A; PASD2; bHLHe73
NCBI Protein Information	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; ba
UniProt Protein Name	Endothelial PAS domain-containing protein 1
UniProt Gene Name	EPAS1
UniProt Synonym Gene Names	BHLHE73; HIF2A; MOP2; PASD2; EPAS-1; bHLHe73; HLF; HIF-2-alpha; HIF2-alpha
UniProt Entry Name	EPAS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hif-2-alpha-antibody-clone-jb24-42-western-blot-immunohistochemistry-flow-cytometry-elisa/30448>