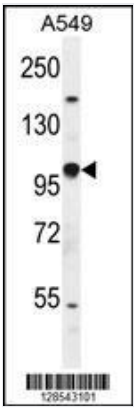
EPAS1 Antibody – Rabbit Polyclonal

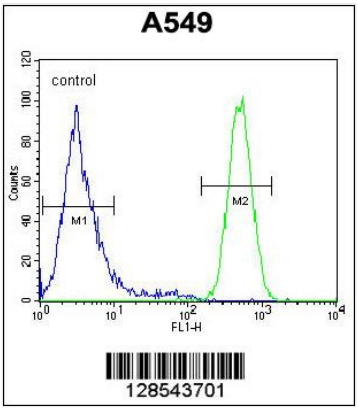
PRODUCT OVERVIEW

Product Name	EPAS1, Polyclonal Antibody
Full Product Name	EPAS1, NT (EPAS1, BHLHE73, HIF2A, MOP2, PASD2, Endothelial PAS domain-containing protein 1, Basic-helix-loop-helix-PAS protein MOP2, Class E basic helix-loop-helix protein 73, HIF-1-alpha-like factor, Hypoxia-inducible factor 2-alpha, Member of PAS protei
Product Gene Name	anti-EPAS1 antibody
Product Synonym Names	EPAS1; BHLHE73; HIF2A; MOP2; PASD2; Endothelial PAS domain-containing protein 1; Basic-helix-loop-helix-PAS protein MOP2; Class E basic helix-loop-helix protein 73; HIF-1-alpha-like factor; Hypoxia-inducible factor 2-alpha; Member of PAS protein 2; PAS domain-containing protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	96kDa
Chromosome Location	Chromosome: 2; NC_000002.11 (46524541..46613842). Location: 2p21-p16
OMIM	603349
3D Structure	ModBase 3D Structure for Q99814
Immunogen	EPAS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-154 amino acids from the N-terminal region of human EPAS1.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-EPAS1 antibody	Antibodies; Hypoxia
Applications Tested/Suitable for anti-EPAS1 antibody	Flow Cytometry (FC/FACS), ELISA (EIA), Western Blot (WB)
Application Notes for anti-EPAS1 antibody	FC/FACS: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-EPAS1 antibody	This gene encodes a transcription factor involved in the induction of genes regulated by oxygen, which is induced as oxygen levels fall. The encoded protein contains a basic-helix-loop-helix domain protein dimerization domain as well as a domain found in proteins in signal transduction pathways which respond to oxygen levels. Mutations in this gene are associated with erythrocytosis familial type 4.

Product References and Citations for anti-EPAS1 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Yi, X., et al. Science 329(5987):75-78(2010). Bougatef, F., et al. PLoS ONE 5 (8), E12265 (2010): Hossein Ghaderian, S.M., et al. Pathology 42(5):446-453(2010). Mowat, F.M., et al. PLoS ONE 5 (6), E11103 (2010).
Other Notes	Small volumes of anti-EPAS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EPAS1 purchase	MBS6295855 is an antibody targeting EPAS1. Also known as EPAS1, NT (EPAS1, BHLHE73, HIF2A, MOP2, PASD2, Endothelial PAS domain-containing protein 1, Basic-helix-loop-helix-PAS protein MOP2, Class E basic helix-loop-helix protein 73, HIF-1-alpha-like factor, Hypoxia-inducible factor 2-alpha, Member of PAS protei. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-EPAS1 antibody
EPAS1 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the EPAS1 antibody detected the EPAS1 protein (arrow).



Flow Cytometry (FC/FACS) of anti-EPAS1 antibody
EPAS1 Antibody (N-term) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EPAS1. It may not necessarily be applicable to this product.

NCBI GI #	40254439
NCBI GeneID	2034
NCBI Accession #	NP_001421.2
UniProt Primary Accession #	Q99814
UniProt Secondary Accession #	Q86VA2; Q99630
UniProt Related Accession #	Q99814
GenBank Nucleotide #	NM_001430.4
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
UniProt Protein Name	Endothelial PAS domain-containing protein 1
UniProt Synonym Protein Names	Basic-helix-loop-helix-PAS protein MOP2; Class E basic helix-loop-helix protein 73; bHLHe73; HIF-1-alpha-like factor; HLF; Hypoxia-inducible factor 2-alpha; HIF-2-alpha; HIF2-alpha; Member of PAS protein 2; PAS domain-containing protein 2
Protein Family	Endothelial PAS domain-containing protein
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
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
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