



[Go to Product page](#)

Datasheet for ABIN686669

anti-EPAS1 antibody (AA 1-130) (FITC)

1 Image

Overview

Quantity:	100 µL
Target:	EPAS1
Binding Specificity:	AA 1-130
Reactivity:	Human, Mouse, Rat, Monkey, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPAS1 antibody is conjugated to FITC
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse HIF2 Alpha
Isotype:	IgG
Cross-Reactivity:	Human, Monkey, Mouse, Rat, Sheep
Predicted Reactivity:	Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	EPAS1
Alternative Name:	Hif2 alpha (EPAS1 Products)

Target Details

Background: Synonyms: HLF, HRF, MOP2, HIF2A, bHLHe73, HIF-2alpha, Endothelial PAS domain-containing protein 1, EPAS-1, HIF-1-alpha-like factor, mHLF, HIF-related factor, Hypoxia-inducible factor 2-alpha, HIF-2-alpha, HIF2-alpha, Epas1

Background: 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 requires recruitment of transcriptional coactivators such as CREBPB and probably EP3. Interaction with redox regulatory protein APEX seems to activate CTAD (By similarity).

Gene ID: 13819

UniProt: [P97481](#)

Pathways: [Signaling Events mediated by VEGFR1 and VEGFR2, Warburg Effect](#)

Application Details

Application Notes: FCM 1:20-100
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

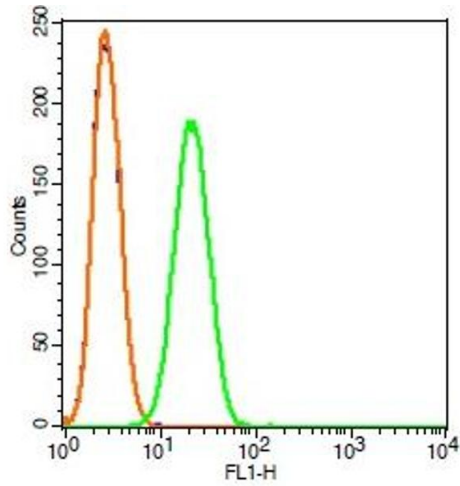
Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

Images



Flow Cytometry

Image 1. Rat RSC96 cells probed with HIF2 alpha Polyclonal Antibody, FITC conjugated (bs-1447R-FITC) (green) at 1:100 for 30 minutes compared to unstained cells (blue) and isotype control (orange).