.-online.com antibodies

Datasheet for ABIN686662 anti-EPAS1 antibody (AA 1-130)

2 Images

1 Publication



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 un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

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

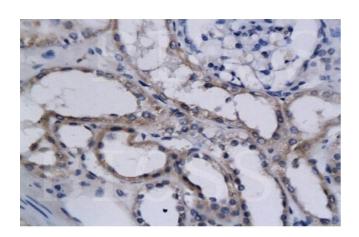
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Target Details	
Alternative Name:	HIF2 alpha (EPAS1 Products)
Background:	Synonyms: HLF, HRF, MOP2, HIF2A, bHLHe73, HIF-2alpha, Endothelial PAS domain-containing
	protein 1, EPAS-1, HIF-1-alpha-like factor, mHLF, HIF-related factor, Hypoxia-inducible 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:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	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:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

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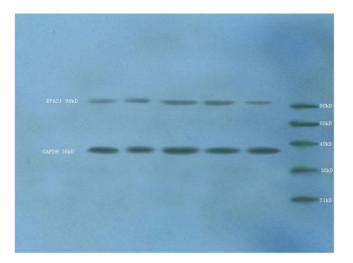
Handling	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Li, Chen, Shao, Tang, Chen, Chen, Xu: "Oxidative stress induces the decline of brain EPO
	expression in aging rats." in: Experimental gerontology , Vol. 83, pp. 89-93, (2016) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human kidney cancer labeled with Anti-HIF-2? Polyclonal Antibody, Unconjugated (ABIN686662) followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 2. Rat lung lysates probed with Rabbit Anti-HIF2 alpha Polyclonal Antibody, Unconjugated at 1:3000 for 90 min at 37°C.

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