Nur für Forschungszwecke

HIF2α/EPAS1 Polyklonaler Antikörper

Katalog-Nr.:26422-1-AP

8 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Allgemeine Informationen

Katalog-Nr.:
26422-1-AP

Größe:
150ul , Konzentration: 700 μg/ml von Nanodrop und 333 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG24886

GenBank-Zugangsnummer:
BC051338

GeneID (NCBI):
2034

Vollständiger Name:
endothelial PAS domain protein 1

Berechneté Masse:
96 kDa

Beobachteté Masse:
100-120 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:3000

Anwendungen

Geprüfte Anwendungen:
WB, ELISA

In Publikationen genannte Anwendungen:
CoIP, IF, IHC, WB

Getestete Reaktivität:
Human

Zitierte Arten:
Human, Maus

Positivkontrollen:

WB : mit Cobaltchlorid behandelte HeLa-Zellen,

Hintergrundinformationen

HIF2A, also named as EPAS1, is a 870 amino acid protein, which is expressed in most tissues, with highest levels in placenta, lung and heart. HIF2A colocalizes with HIF3A in the nucleus and speckles. HIF2A as a transcription factor involves in the induction of oxygen regulated genes. HIF2A binds to core DNA sequence 5'-[AG]CGTG-3' within the hypoxia response element (HRE) of target gene promoters. HIF2A 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. HIF2A may also play a role in the formation of the endothelium that gives rise to the blood brain barrier. The calculated molecular weight of HIF2A is 96 kDa, but In normoxia, HIF2A is probably hydroxylated on Pro-405 and Pro-531 by EGLN1/PHD1, EGLN2/PHD2 and/or EGLN3/PHD3. The hydroxylated prolines promote interaction with VHL, initiating rapid ubiquitination and subsequent proteasomal degradation. Under hypoxia, proline hydroxylation is impaired and ubiquitination is attenuated, resulting in stabilization. The modified HIf2A is about 100-120 kDa.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Hsing-Hua Chao	36127332	Cell Death Dis	WB
Zhichuan Zhu	36445063	Adv Sci (Weinh)	WB
Xiao-Peng Tian	31037150	Theranostics	WB,IF

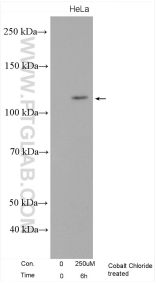
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Ausgewählte Validierungsdaten



Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with 26422-1-AP (EPAS1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.