

Nur für Forschungszwecke

HIF-1 alpha Polyklonaler Antikörper



Katalog-Nr.:20960-1-AP

Vorgestelltes Produkt

427 Publikationen

Allgemeine Informationen

Katalog-Nr.:

20960-1-AP

Größe:

150ul , Konzentration: 600 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG15198

GenBank-Zugangsnummer:

BC012527

GeneID (NCBI):

3091

Vollständiger Name:

hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)

Berechnete Masse:

826 aa, 93 kDa

Beobachtete Masse:

120 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:12000

IP 0.5-4.0 ug für IP und 1:200-1:1000

für WB

IHC 1:50-1:500

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

chIP, ColP, IF, IHC, IP, WB

Getestete Reaktivität:

Human

Zitierte Arten:

Hausschwein, Huhn, Human

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : mit Cobaltchlorid behandelte HeLa-Zellen,

IP : HeLa-Zellen,

IHC : humanes Schilddrüsenkarzinomgewebe, humanes Herzgewebe, humanes Nierengewebe

IF : mit Cobaltchlorid behandelte HepG2-Zellen, mit Cobaltchlorid behandelte HeLa-Zellen

Hintergrundinformationen

HIF1a, the major regulator of the cellular responses to hypoxia, consists of an oxygen-sensitive subunit, HIF1 alpha (HIF1A), and an oxygen-insensitive subunit, HIF1 beta (arylhydrocarbon receptor nuclear transporter [ARNT]). Under normal oxygen conditions, HIF1a is continuously produced and destroyed, in a process involving hydroxylation, interaction with von Hippel-Lindau (VHL) protein, polyubiquitylation and subsequent proteasomal degradation. Under hypoxic conditions, hydroxylation is impaired and HIF1a is stabilized. HIF1a localizes in cytoplasm in normoxia, but it can translocate into nuclear in response to hypoxia. The calculated molecular weight of HIF1a is 93 kDa, but the modified protein HIF1a is about 110-120kDa (PMID: 11698256, .PMID: 7539918).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Menghui Xu	36290677	Antioxidants (Basel)	WB
Di Cui	34586717	Adv Healthc Mater	WB,IHC
Wenmin Yu	34676302	Open Med (Wars)	IHC

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

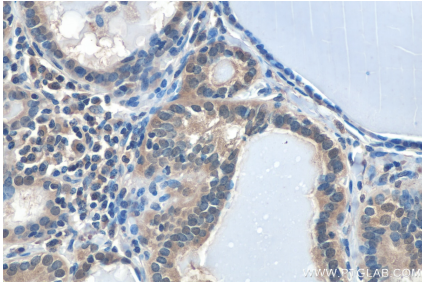
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

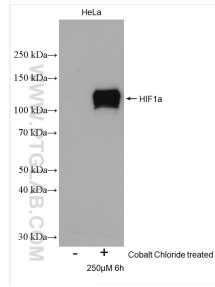
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

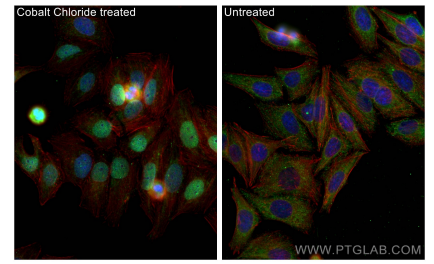
Ausgewählte Validierungsdaten



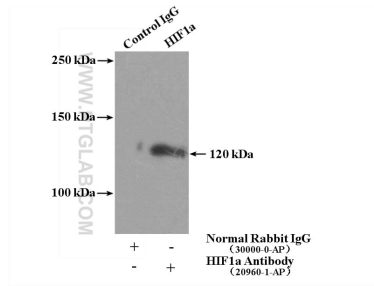
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 20960-1-AP (HIF 1a antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



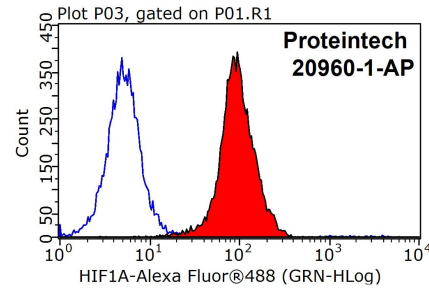
Untreated and Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with 20960-1-AP (HIF 1a antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed Cobalt Chloride treated HepG2 cells using HIF 1a antibody (20960-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP Result of anti-HIF1a (IP:20960-1-AP, 4ug; Detection:20960-1-AP 1:300) with HeLa cells lysate 4000ug.



1x10⁶ HeLa cells were stained with 0.2ug HIF 1a antibody (20960-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.