

Nur für Forschungszwecke

HIF-1 alpha Rekombinanter Antikörper

Katalog-Nr.:80933-1-RR



Allgemeine Informationen

Katalog-Nr.: 80933-1-RR	GenBank-Zugangsnummer: BC012527	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von3091 Nanodrop;	GeneID (NCBI): 3091	CloneNo.: 2K1
Wirt: Kaninchen	Vollständiger Name: hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	Empfohlene Verdünnungen: WB 1:2000-1:10000 IHC 1:50-1:500 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 826 aa, 93 kDa	
Immunogen Katalognummer: AG15198	Beobachtete Masse: 120 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

Getestete Reaktivität:

Human

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

Positivkontrollen:

WB : mit Cobaltchlorid behandelte HeLa-Zellen,

IHC : humanes Schilddrüsenkarzinomgewebe,

IF : mit Cobaltchlorid behandelte HepG2-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).

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

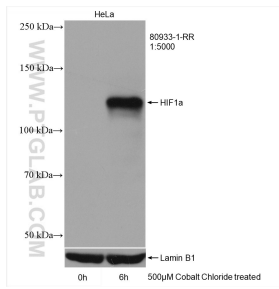
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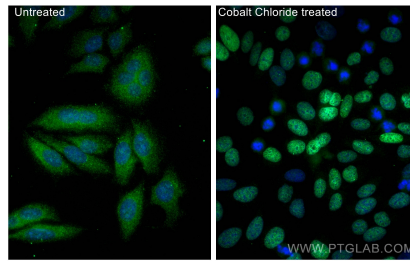
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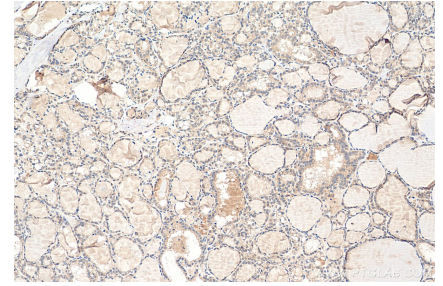
Ausgewählte Validierungsdaten



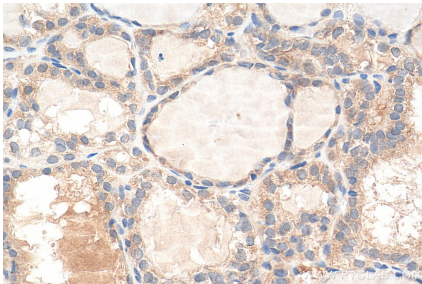
Untreated and Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with 80933-1-RR (HIF1a antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed Cobalt Chloride treated HepG2 cells using HIF1a antibody (80933-1-RR, Clone: 2K1) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 80933-1-RR (HIF1a antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 80933-1-RR (HIF1a antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).