

Allgemeine Informationen

Katalog-Nr.: 66730-1-Ig	GenBank-Zugangsnummer: BC012527	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul, Konzentration: 1400 µg/ml von 3091 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 3091	CloneNo.: 1H3C12
Wirt: Maus	Vollständiger Name: hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	Empfohlene Verdünnungen: WB 1:2000-1:10000 IF 1:50-1:500
Isotyp: IgG1	Berechnete Masse: 826 aa, 93 kDa	
Immunogen Katalognummer: AG15198	Beobachtete Masse: 120 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human

Zitierte Arten:

Human, Maus

Positivkontrollen:

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

IF : 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
Bin Zhang	32987196	Int J Biochem Cell Biol	WB
Jingjing Zheng	32978798	Ann N Y Acad Sci	WB
Wenjia Liu	34542841	Tissue Eng Regen Med	WB

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**

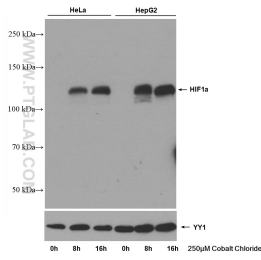
For technical support and original validation data for this product please contact:

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

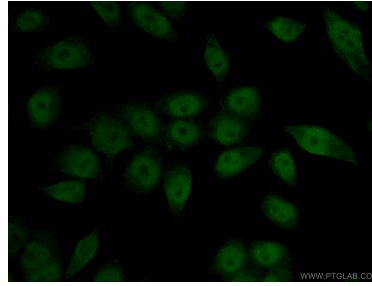
E: proteintech@ptglab.com
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Ausgewählte Validierungsdaten



Untreated and cobalt chloride treated HeLa and HepG2 cells were subjected to SDS-PAGE followed by western blot with 66730-1-Ig (HIF 1a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with YY1 antibody as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed Cobalt Chloride treated HeLa cells using 66730-1-Ig (HIF 1a antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).