

À des fins de recherche uniquement

Anticorps Monoclonal anti-HIF-1 alpha



Numéro de catalogue: 66730-1-Ig **28 Publications**

Informations de base

Numéro de catalogue: 66730-1-Ig	Numéro d'acquisition GenBank: BC012527	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1400 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 3091	CloneNo.: 1H3C12
Hôte: Mouse	Nom complet: hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	Dilutions recommandées: WB 1:2000-1:10000
Isotype: IgG1	MW calculé 826 aa, 93 kDa	
Immunogen Catalog Number: AG15198	MW observés: 120 kDa	

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : cellules HeLa, cellules HeLa traitées au chlorure de cobalt, cellules HepG2 traitées au chlorure de cobalt
Demandes citées: IF, IHC, WB	
Spécificité de l'espèce: Humain	
Espèces citées: Humain	

Informations générales

HIF1 α , 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, HIF1 α 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 HIF1 α is stabilized. HIF1 α localizes in cytoplasm in normoxia, but it can translocate into nuclear in response to hypoxia. The calculated molecular weight of HIF1 α is 93 kDa, but the modified protein HIF1 α is about 110-120kDa (PMID: 11698256, .PMID: 7539918) .

Publications notables

Autrice	Pubmed ID	Journal	Application
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

Stockage

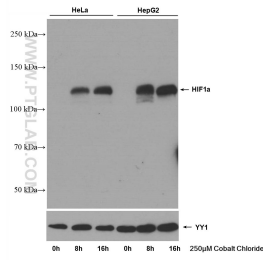
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

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



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.