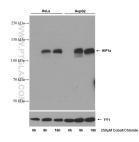
For Research Use Only

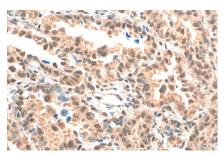
## HIF-1 alpha Monoclonal antibody Catalog Number:66730-1-lg Featured Product 61 Publications

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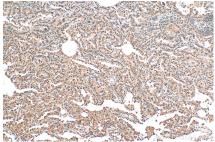
Basic Information	Catalog Number: 66730-1-Ig	GenBank Accession Number: BC012527		Purification Method: Protein G purification CloneNo.: 1H3C12	
	Size: GeneID (NCBI):				
	150ul , Concentration: 1000 ug/ml by				
	Nanodrop and 511 ug/ml by Bradford method using BSA as the standard;			WB 1:2000-1:10000	
	Source: Mouse				
	Isotype:				
	lgG1				
	Immunogen Catalog Number: AG15198				
Applications	Tested Applications: WB, IHC, ELISA		Positive Controls:		
	Cited Applications:	Cobalt Chlorid		ills, Cobalt Chloride treated HeLa cells, ride treated HepG2 cells lung cancer tissue, human ovary tumor	
	WB, IHC, IF, IP, ChIP Species Specificity:				
	human Cited Species:				
	Cited Species: human Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	(HIF1A), and an oxygen-insensitive su normal oxygen conditions, HIF1a is co interaction with von Hippel-Lindau (V Under hypoxic conditions, hydroxylat normoxia, but it can translocate into r	ubunit, HIF1 beta (arylhydro ontinuously produced and d (HL) protein, polyubiquityla ion is impaired and HIF1a i nuclear in response to hypo»	ocarbon receptor estroyed, in a pr tion and subseq s stabilized. HIF kia. The calcular	r nuclear transporter [ARNT]). Und rocess involving hydroxylation, uent proteasomal degradation. 1a localizes in cytoplasm in ted molecular weight of HIF1a is f	
	(HIF1A), and an oxygen-insensitive so normal oxygen conditions, HIF1a is co interaction with von Hippel-Lindau (V Under hypoxic conditions, hydroxylat normoxia, but it can translocate into r kDa, but the modified protein HIF1a i	ubunit, HIF1 beta (arylhydro ontinuously produced and d (HL) protein, polyubiquityla ion is impaired and HIF1a i nuclear in response to hypo»	ocarbon receptor estroyed, in a pr tion and subseq s stabilized. HIF kia. The calcular	r nuclear transporter [ARNT]). Und rocess involving hydroxylation, uent proteasomal degradation. 1a localizes in cytoplasm in ted molecular weight of HIF1a is f	
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	(HIF1A), and an oxygen-insensitive so normal oxygen conditions, HIF1a is co interaction with von Hippel-Lindau (V Under hypoxic conditions, hydroxylat normoxia, but it can translocate into r kDa, but the modified protein HIF1a i Author Pub Bin Zhang 329	ubunit, HIF1 beta (arylhydro ontinuously produced and d (HL) protein, polyubiquityla ion is impaired and HIF1a i nuclear in response to hypoy s about 110-120kDa (PMID: med ID Journal	earbon receptor estroyed, in a p tion and subseq s stabilized. HIF (ia. The calcular 11698256, .PMII	ruclear transporter [ARNT]). Und rocess involving hydroxylation, uent proteasomal degradation. 1a localizes in cytoplasm in ted molecular weight of HIF1a is 0 D: 7539918) Application	
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Notable Publications	<ul> <li>(HIF1A), and an oxygen-insensitive scinormal oxygen conditions, HIF1a is continueraction with von Hippel-Lindau (VUnder hypoxic conditions, hydroxylatinormoxia, but it can translocate into rkDa, but the modified protein HIF1a i</li> <li>Author Pub</li> <li>Bin Zhang 329</li> <li>Jingjing Zheng 329</li> <li>Wenjian Liu 345</li> <li>Storage:</li> <li>Storage Buffer:</li> <li>PBS with 0.02% sodium azide and 500</li> </ul>	ubunit, HIF1 beta (arylhydrc ontinuously produced and d (HL) protein, polyubiquitylar ion is impaired and HIF1a i: nuclear in response to hypos s about 110-120kDa (PMID: med ID Journal 187196 Int J Bioche 78798 Ann N Y Ac 42841 Tissue Eng er shipment.	ocarbon receptor estroyed, in a pr tion and subseq s stabilized. HIF kia. The calcular 11698256, .PMII em Cell Biol	ruclear transporter [ARNT]). Und rocess involving hydroxylation, uent proteasomal degradation. 1a localizes in cytoplasm in ted molecular weight of HIF1a is D: 7539918) Application WB WB	
Background Information Notable Publications Storage	(HIF1A), and an oxygen-insensitive so normal oxygen conditions, HIF1a is co interaction with von Hippel-Lindau (V Under hypoxic conditions, hydroxylat normoxia, but it can translocate into r kDa, but the modified protein HIF1a i Author Pub Bin Zhang 329 Jingjing Zheng 329 Wenjian Liu 345 Storage: Store at -20°C. Stable for one year after Storage Buffer:	ubunit, HIF1 beta (arylhydrc ontinuously produced and d (HL) protein, polyubiquitylar ion is impaired and HIF1a i: nuclear in response to hypos s about 110-120kDa (PMID: med ID Journal 187196 Int J Bioche 78798 Ann N Y Ac 42841 Tissue Eng er shipment.	ocarbon receptor estroyed, in a pr tion and subseq s stabilized. HIF kia. The calcular 11698256, .PMII em Cell Biol	ruclear transporter [ARNT]). Und rocess involving hydroxylation, uent proteasomal degradation. 1a localizes in cytoplasm in ted molecular weight of HIF1a is 0 D: 7539918) Application WB WB	

## Selected Validation Data





Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66730-1-Ig (HIF-1 alpha antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66730-1-1g (HIF-1 alpha antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Untreated and cobalt chloride treated HeLa and HepG2 cells were subjected to SDS-PAGE followed by western blot with 66730-1-1g (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.