

For Research Use Only

# HIF3A Polyclonal antibody

Catalog Number: 27650-1-AP

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 27650-1-AP	<b>GenBank Accession Number:</b> NM_022462	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 64344	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> hypoxia inducible factor 3, alpha subunit	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 72 kDa	
<b>Immunogen Catalog Number:</b> AG26574	<b>Observed MW:</b> 72 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : Cobalt Chloride treated HeLa cells, A431 cells IF/ICC : Tunicamycin treated HepG2 cells,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human, mouse	

## Background Information

HIF3A, Hypoxia-inducible factor 3-alpha, acts as a transcriptional regulator in adaptive response to low oxygen tension (PMID:11573933, PMID:16126907, PMID:19694616, PMID:20416395, PMID:21069422). It functions as an inhibitor of angiogenesis in hypoxic cells of the cornea. HIF3A also plays a role in the development of the cardiorespiratory system. HIF3A was up-regulated by hypoxia (PMID:16775626). Multiple alternatively spliced transcript variants have been found.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaotong Diao	35534502	Nat Commun	WB
Agné Kulyté	32180562	Mol Metab	WB
Francesca Cuomo	35096807	Front Cell Dev Biol	WB

## Storage

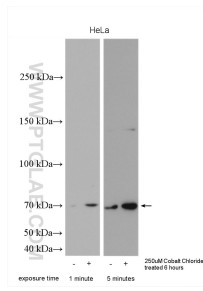
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

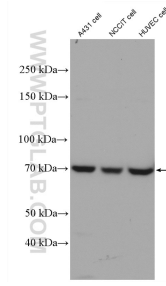
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

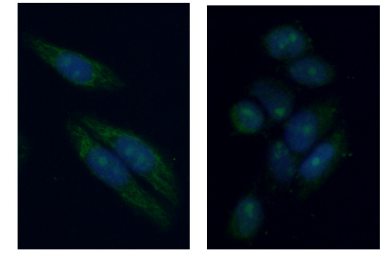
## Selected Validation Data



Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with 27650-1-AP (HIF3A antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



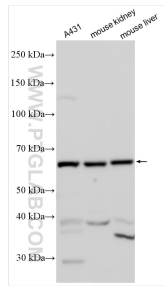
A431 cells were subjected to SDS PAGE followed by western blot with 27650-1-AP (HIF3A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Tunicamycin treated

Untreated

Immunofluorescent analysis of (4% PFA) fixed Tunicamycin treated HepG2 cells using 27650-1-AP (HIF3A antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 27650-1-AP (HIF3A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.