

For Research Use Only

# HIF3A Polyclonal antibody

Catalog Number: 27650-1-AP

Featured Product

7 Publications



## Basic Information

Catalog Number:

27650-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26574

GenBank Accession Number:

NM\_022462

GeneID (NCBI):

64344

Full Name:

hypoxia inducible factor 3, alpha subunit

Calculated MW:

72 kDa

Observed MW:

72 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : Cobalt Chloride treated HeLa cells, A431 cells

IF/ICC : Tunicamycin treated HeLa cells,

## 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

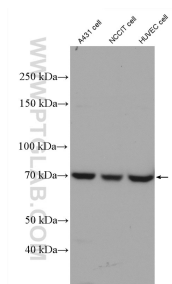
For technical support and original validation data for this product please contact:

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

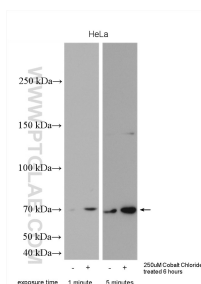
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

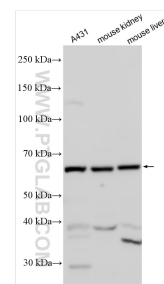
## Selected Validation Data



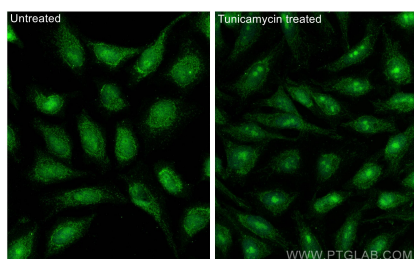
A431 cells were subjected to SDS PAGE followed by western blot with 27650-1-AP (HIF3A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.



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.



Immunofluorescent analysis of (4% PFA) fixed Tunicamycin treated HeLa cells using HIF3A antibody (27650-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).