

For Research Use Only

# HIF3A Polyclonal antibody

Catalog Number: 27650-1-AP

Featured Product

5 Publications



## Basic Information

Catalog Number:

27650-1-AP

Size:

700 µg/ml

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 1:50-1:500

## Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

Human

Cited Species:

human, mouse

Positive Controls:

WB: Cobalt Chloride treated HeLa cells, A431 cells

IF: Tunicamycin treated HepG2 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

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

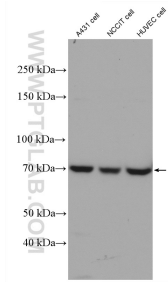
T: 4006900926

E: Proteintech-CN@ptglab.com

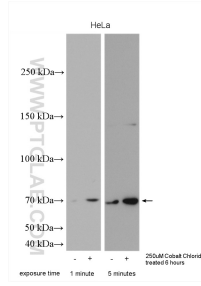
W: ptgcn.com

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

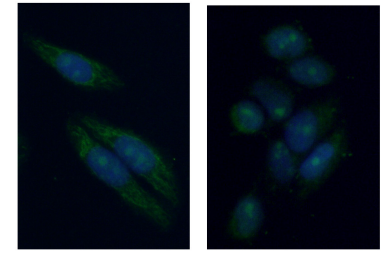
## Selected Validation Data



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.



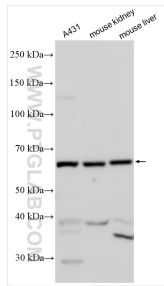
Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with 27650-1-AP (HIF3A antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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.