

For Research Use Only

HIF3A Polyclonal antibody

Catalog Number: 27650-1-AP

Featured Product

5 Publications



Basic Information

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

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB: Cobalt Chloride treated HeLa cells, A431 cells IF: Tunicamycin treated HepG2 cells,
Cited Applications: IHC, WB	
Species Specificity: Human	
Cited Species: 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

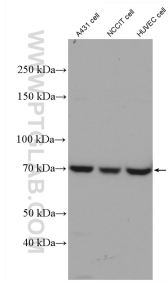
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

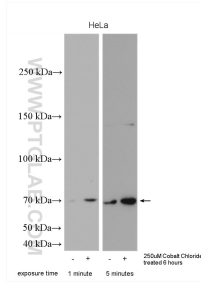
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

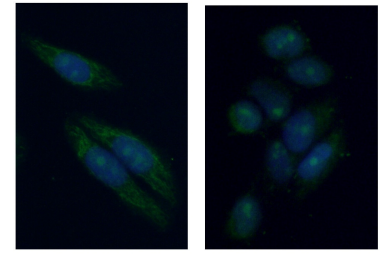
Selected Validation Data



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.



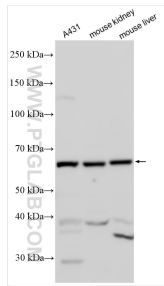
Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with 27650-1-AP (HIF3A antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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.