

For Research Use Only

# HIF1AN Polyclonal antibody

Catalog Number: 10646-1-AP

Featured Product

3 Publications



## Basic Information

Catalog Number:

10646-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0997

GenBank Accession Number:

BC007719

GeneID (NCBI):

55662

UNIPROT ID:

Q9NWT6

Full Name:

hypoxia inducible factor 1, alpha subunit inhibitor

Calculated MW:

40 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HEK-293 cells, HeLa cells, Jurkat cells

IHC : human lung cancer tissue,

## Background Information

HIF1AN (Hypoxia-inducible factor 1-alpha inhibitor) is also named FIH1. It is identified as a molecular oxygen-dependent dioxygenase that blunts the transcriptional activity of HIF and has also been implicated in HIF-dependent and -independent hypoxia responses (PMID:20720525). Structural studies indicate that an FIH-1 homodimer forms in solution and is essential for FIH-1 activity (PMID:16154531).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ming-Chun Lai	34659882	Am J Cancer Res	WB
Jinghuan Huang	33718666	Bioact Mater	WB
Zhensong Jiang	39309798	Heliyon	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:

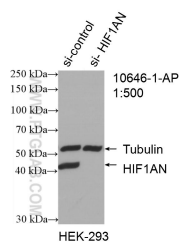
T: 4006900926

E: Proteintech-CN@ptglab.com

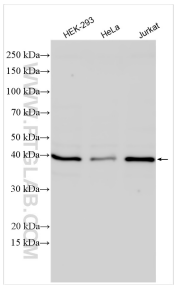
W: ptgcn.com

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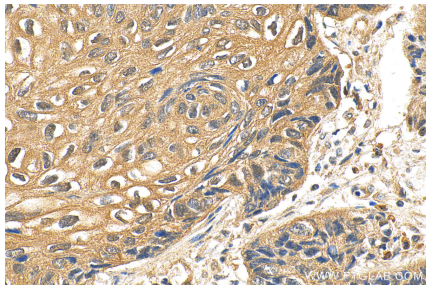
Selected Validation Data



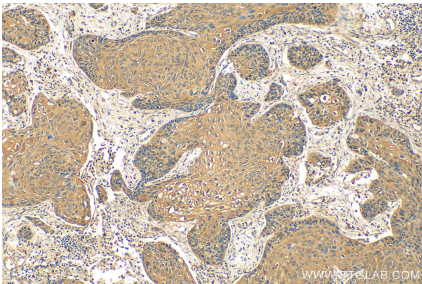
WB result of HIF1AN antibody (10646-1-AP; 1:500; incubated at room temperature for 1.5 hours) with sh-Control and sh-HIF1AN transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10646-1-AP (HIF1AN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10646-1-AP (HIF1AN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10646-1-AP (HIF1AN antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).