

HIF1A Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Dog, Fish, Hamster, Human, Mouse, Non-human primate, Pig, Rabbit, Rat
Published Species	Rabbit, Rat, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A fusion protein including residues 530-825 of the mouse HIF-1 alpha protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.05% sodium azide
Storage Conditions	4° C, do not freeze
RRID	AB_2117128

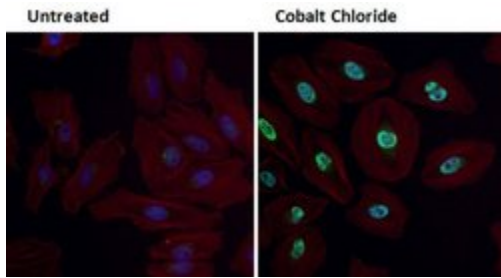
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2000	12 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	5-10 µg/mL	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	5-10 µg/mL	-
Flow Cytometry (Flow)	1:10-1:1000	1 Publication
Immunoprecipitation (IP)	-	2 Publications
ChIP assay (ChIP)	1:10-1:500	1 Publication
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

This antibody detects upregulation of HIF-1 alpha in hypoxic samples.

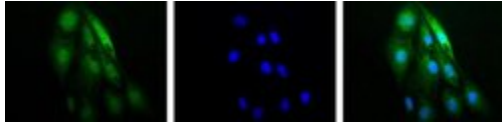
Recommended positive controls: Human pancreas whole tissue lysate, COS-7 nuclear hypoxic induced cell lysate, human bone marrow whole tissue lysate (adult whole diabetes), HeLa hypoxic (CoCl₂) cell lysate, HepG2 hypoxic (CoCl₂) cell lysate, HeLa hypoxic cell Lysate, HepG2 hypoxic cell lysate, HIF-1 alpha knockout HeLa cell lysate

Product Images For HIF1A Polyclonal Antibody



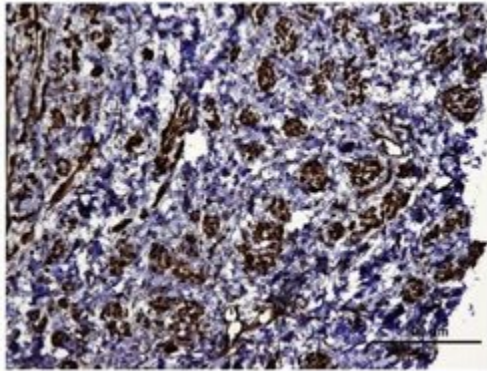
HIF1A Antibody (PA1-16601) in ICC/IF

Immunofluorescent analysis of HIF-1 alpha (green) in HeLa cells either left untreated (left panel) or treated with 0.1 mM Cobalt Chloride (right panel) for 4 hours. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a HIF-1 alpha polyclonal antibody (Product # PA1-16601) at a dilution of 1:100 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat-anti-rabbit IgG secondary antibody (Product # 35552) at a dilution of 1:400 for 30 minutes at room temperature. F-Actin (red) was stained with DyLight-554 Phalloidin (Product # 21834) and nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan at 20X magnification.



HIF1A Antibody (PA1-16601) in ICC/IF

Detection of HIF-1 Alpha (green) in RCC4 cells using Product # PA1-16601. Nuclei (Blue) were counterstained using Hoechst 33258.



HIF1A Antibody (PA1-16601) in IHC (P)

Immunohistochemical analysis of HIF-1 alpha in paraffin-embedded human kidney tumor tissue using anti-HIF1A polyclonal antibody (Product # PA1-16601).

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (12)

Cellular signalling

Metformin and resveratrol ameliorate muscle insulin resistance through preventing lipolysis and inflammation in hypoxic adipose tissue.

"PA1-16601 was used in western blot to characterize prevention of lipolysis and inflammation in hypoxic adipose tissue by studying metformin and resveratrol that ameliorate muscle insulin resistance"

Authors: Zhao W,Li A,Feng X,Hou T,Liu K,Liu B,Zhang N

Species
Not Applicable

Dilution
Not Cited

Year
2016

eLife

YAP1 and TAZ negatively control bone angiogenesis by limiting hypoxia-inducible factor signaling in endothelial cells.

"Published figure using HIF1A polyclonal antibody (Product # PA1-16601) in ChIP assay"

Authors: Sivaraj KK,Dharmalingam B,Mohanakrishnan V,Jeong HW,Kato K,Schröder S,Adams S,Koh GY,Adams RH

Species
Not Applicable

Dilution
Not Cited

Year
2020

[View more WB references on thermofisher.com](#)

Immunohistochemistry (4)

American journal of physiology. Heart and circulatory physiology

Hypoxia promotes primitive glycosaminoglycan-rich extracellular matrix composition in developing heart valves.

"PA1-16601 was used in Immunohistochemistry-immunofluorescence to demonstrate that hypoxia maintains a primitive extracellular matrix during heart valve development and promotes extracellular matrix remodeling in adult mice, as occurs in myxomatous disease."

Authors: Amofa D,Hulin A,Nakada Y,Sadek HA,Yutzey KE

Species
Mouse
Not Applicable

Dilution
1:100
Not Cited

Year
2017

The Journal of urology

Inhibition of HIF Reduces Bladder Hypertrophy and Improves Bladder Function in Murine Model of Partial Bladder Outlet Obstruction.

"Published figure using HIF1A polyclonal antibody (Product # PA1-16601) in Immunohistochemistry"

Authors: Iguchi N,Malykhina AP,Wilcox DT

Species
Not Applicable

Dilution
Not Cited

Year
2016

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (P) (1)

Flow (1)

IP (2)

ChIP (1)

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