

# HIF1 –alpha Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID Q16665

Catalog No. A300-286A-T GeneID 3091

Lot No. A300-286A-T-7

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<b>APPLICATIONS</b>	WB, IP, IHC, ICC-IF
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Human, Mouse, Rat, Chicken and Bovine
<b>AMOUNT</b>	10 µl
<b>CONCENTRATION</b>	200 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8°C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to HIF1 –alpha immobilized on solid support.

The epitope recognized by A300-286A-T maps to a region between residues 775 and the C-terminus (residue 826) of human hypoxia-inducible factor 1, alpha subunit using the numbering given in Swiss-Prot entry Q16665 (GeneID 3091).

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 – 1:10,000

Immunoprecipitation 2 – 10 µg/mg lysate

Immunohistochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 for 20 minutes using a pressure cooker is recommended for FFPE tissue sections.

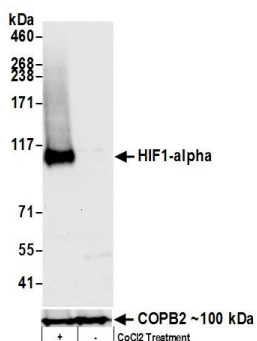
Immunofluorescence (ICC) 1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 for 20 minutes using a pressure cooker is recommended for FFPE tissue sections.

**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-286A-T>

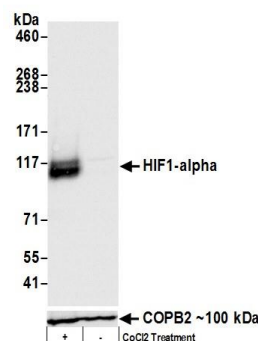
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

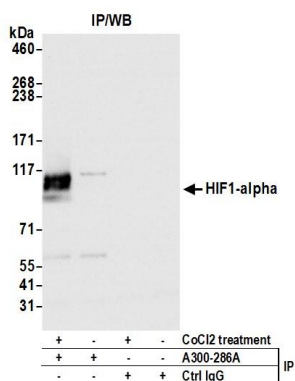
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: April 14, 2022



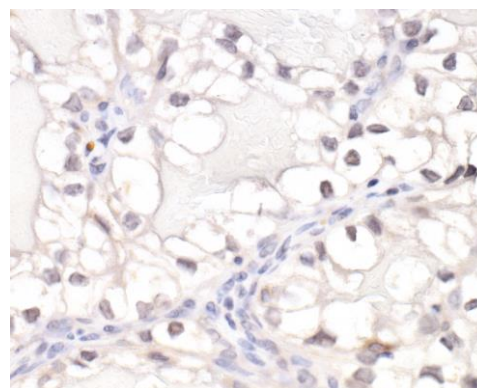
**Detection of human HIF1 alpha by western blot.** *Samples:* Whole cell lysate (50 µg) from HepG2 cells that were either treated with 200 µM cobalt chloride (+) or mock treated (-). *Antibodies:* Affinity purified rabbit anti-HIF1 alpha antibody A300-286A (lot number A300-286A-7) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with exposure times of 10 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



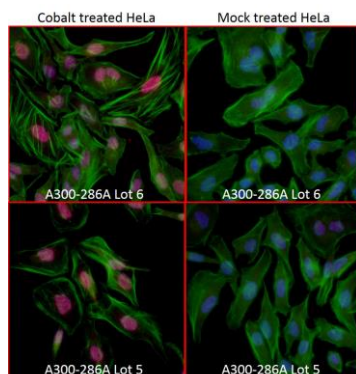
**Detection of mouse HIF1 alpha by western blot.** *Samples:* Whole cell lysate (50 µg) from NIH3T3 cells that were either treated with 200 µM cobalt chloride (+) or mock treated (-). *Antibodies:* Affinity purified rabbit anti-HIF1 alpha antibody A300-286A (lot number A300-286A-7) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with exposure times of 3 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



**Detection of human HIF1 alpha by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HepG2 cells that were treated with 200 µM cobalt chloride or untreated. *Antibodies:* Affinity purified rabbit anti-HIF1 alpha antibody A300-286A (lot number A300-286A-7) used for WB at 0.04 µg/ml and for IP at 6 µg/mg lysate. *Detection:* Chemiluminescence with exposure times of 3 seconds.



**Detection of human HIF1-alpha by immunohistochemistry.** *Sample:* FFPE section of renal cell carcinoma. *Antibody:* Affinity purified rabbit anti-HIF1-alpha antibody (Cat. No. A300-286A Lot6) used at a dilution of 1:100 (2µg/ml). *Detection:* DAB

**Detection of human HIF1-alpha by immunocytochemistry.**

*Sample:* Formaldehyde-fixed asynchronous HeLa cells treated with 200  $\mu$ M cobalt chloride (left) or mock treatment (right). *Antibody:* Affinity purified rabbit anti-HIF1-alpha antibody Cat. No. A300-286A Lot6 (upper images) and A300-286A Lot5 (lower images) used at a dilution of 1:100 (2 $\mu$ g/ml). *Detection:* Red-fluorescent goat anti-rabbit IgG-heavy and light chain cross-adsorbed Antibody DyLight<sup>®</sup> 594 Conjugated (A120-201D4). Counterstain: DAPI (blue) and fluorescent phalloidin (green).