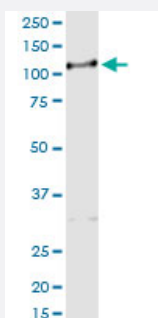


HIF1A (Human) IP-WB Antibody Pair

Catalog # H00003091-PW1

Size 1 Set

Applications



Immunoprecipitation of HIF1A transfected lysate using rabbit polyclonal anti-HIF1A and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-HIF1A.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88%); Rat (89%)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of HIF1A transfected lysate using rabbit polyclonal anti-HIF1A and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-HIF1A.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-HIF1A (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-HIF1A (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — HIF1A

Entrez GeneID [3091](#)

Gene Name HIF1A

Gene Alias HIF-1alpha, HIF1, HIF1-ALPHA, MOP1, PASD8, bHLHe78

Gene Description hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)

Omim ID [603348](#)

Gene Ontology [Hyperlink](#)

Gene Summary Hypoxia-inducible factor-1 (HIF1) is a transcription factor found in mammalian cells cultured under reduced oxygen tension that plays an essential role in cellular and systemic homeostatic responses to hypoxia. HIF1 is a heterodimer composed of an alpha subunit and a beta subunit. The beta subunit has been identified as the aryl hydrocarbon receptor nuclear translocator (ARNT). This gene encodes the alpha subunit of HIF-1. Overexpression of a natural antisense transcript (aHIF) of this gene has been shown to be associated with nonpapillary renal carcinomas. Two alternative transcripts encoding different isoforms have been identified. [provided by RefSeq]

Other Designations ARNT interacting protein|hypoxia-inducible factor 1, alpha subunit|hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)|member of PAS superfamily 1

Pathway

- [mTOR signaling pathway](#)
- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Altitude Sickness](#)

- [Angina Pectoris](#)
- [Anoxia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cellulitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
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- [Diabetes Mellitus](#)
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- [Disease Susceptibility](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)
- [Giant Cell Arteritis](#)
- [Gilbert Disease](#)
- [Hot Flashes](#)
- [Hyperbilirubinemia](#)
- [Hypercholesterolemia](#)
- [Intracranial Arteriosclerosis](#)

- [Intracranial Thrombosis](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Microsatellite Instability](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Peripheral Arterial Disease](#)
- [Polycythemia](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Renal Insufficiency](#)
- [Retinopathy of Prematurity](#)
- [Scleroderma](#)
- [Sleep Apnea](#)

- [Stomach Neoplasms](#)
- [Ulcer](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)