

HIF1A monoclonal antibody, clone HIF1A/84

Catalog # MAB21052 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human HIF1A.
Immunogen	Recombinant protein corresponding to human HIF1A.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (0.5-1ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunofluorescence
- Flow Cytometry

Gene Info — HIF1A

Entrez GeneID	3091
Protein Accession#	Q16665
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](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [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](#)