Mouse HIF-1alpha Monoclonal Antibody | anti-HIF-1alpha antibody

HIF-1alpha Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320102	**Mouse**	**Human, Mouse, Monkey**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

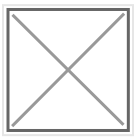
PRODUCT SYNONYMS

HIF-1alpha; Monoclonal Antibody; HIF-1alpha Monoclonal Antibody; Hypoxia-inducible factor 1-alpha; HIF1A; BHLHE78; MOP1; PASD8; HIF-1-alpha; HIF1-alpha; ARNT-interacting protein; Basic-helix-loop-helix-PAS protein MOP1; Class E basic helix-loop-helix protein 78; bHLHe78; Member of PAS protein 1; PAS doma; anti-HIF-1alpha antibody

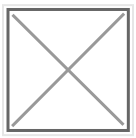
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Monkey
Clonality	Monoclonal
Specificity	HIF-1alpha Monoclonal Antibody detects endogenous levels of HIF-1alpha protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-HIF-1alpha antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human HIF-1alpha expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of Hela cells using HIF-1? Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



IHC (Immunohistochemisry)
Immunohistochemistry analysis of paraffin-embedded liver cancer tissues (left) and lung cancer tissues (right) with DAB staining using HIF-1? Monoclonal Antibody.

Application Data
Sun. Lei. et al. "Beclin-1-independent autophagy mediates programmed cancer cell death through interplays with endoplasmic reticulum and/or mitochondria in colbat chloride-induced hypoxia." American journal of cancer research 5.9 (2015): 2626.

WB (Western Blot)
Western Blot analysis using HIF-1? Monoclonal Antibody against Cos7 (1). HeLa (2). Jurkat (3). RAJI (4) and NIH/3T3 (5) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-HIF-1alpha antibody	hypoxia inducible factor 1 alpha subunit(HIF1A) Homo sapiens This gene encodes the alpha subunit of transcription factor hypoxia-inducible factor-1 (HIF-1), which is a heterodimer composed of an alpha and a beta subunit. HIF-1 functions as a master regulator of cellular and systemic homeostatic response to hypoxia by activating transcription of many genes, including those involved in energy metabolism, angiogenesis, apoptosis, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. HIF-1 thus plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2011]
Product Categories/Family for anti-HIF-1alpha antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504385
NCBI GeneID	3091
NCBI Accession #	NP_001521.1
NCBI GenBank Nucleotide #	NM_001530.3
UniProt Accession #	Q16665; Q53XP6; Q96PT9; Q9UPB1; C0LZJ3
Molecular Weight	92,670 Da
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 1
NCBI Official Synonym Full Names	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
NCBI Official Symbol	HIF1A
NCBI Official Synonym Symbols	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA
NCBI Protein Information	hypoxia-inducible factor 1-alpha; HIF-1-alpha; member of PAS protein 1; ARNT interacting protein; ARNT-interacting protein; member of PAS superfamily 1; hypoxia-inducible factor1alpha; PAS domain-containing protein 8; basic-helix-loop-helix-PAS protein MO
UniProt Protein Name	Hypoxia-inducible factor 1-alpha
UniProt Gene Name	**HIF1A**
UniProt Synonym Gene Names	BHLHE78; MOP1; PASD8; HIF-1-alpha; HIF1-alpha; bHLHe78
UniProt Entry Name	HIF1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/hif-1alpha-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320102