

Mouse anti-Human HIF1a Monoclonal Antibody | anti-HIF1a antibody

Anti-HIF1a Antibody

CATALOG # AAA249054	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunofluorescence, ELISA
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PRODUCT SYNONYMS

HIF1a; Monoclonal Antibody; Anti-HIF1a Antibody; BHLHE78; MOP1; PASD8; anti-HIF1a antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Purity/Purification	>=95% as determined by SDS-PAGE Protein A+G Purified
Form/Format	Liquid; PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Sequence Length	826
Applicable Applications for anti-HIF1a antibody	WB (Western Blot), IF (Immunofluorescence), ELISA
Immunogen	Hypoxia inducible factor 1, alpha subunit(basic helix-loop-helix transcription factor)
Preparation and Storage	Store at -20 degree C for 24 months. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with AAA249054 (HIF1a Antibody) at dilution of 1:5000



IF (Immunofluorescence)

Immunofluorescent analysis of (-20°C Ethanol) fixed Cobalt Chloride treated HeLa cells using AAA249054 (HIF1a antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated Goat Anti-Mouse IgG (H+L)

ADDITIONAL INFORMATION

Related Product Information for anti-HIF1a antibody

Under normal oxygen conditions, HIF1a is continuously produced and destroyed, in a process involving hydroxylation, interaction with von Hippel-Lindau (VHL) protein, polyubiquitylation and subsequent proteasomal degradation. Under hypoxic conditions, hydroxylation is impaired and HIF1a is stabilized. HIF1a localizes in cytoplasm in normoxia, but it can translocate into nuclear in response to hypoxia. The calculated molecular weight of HIF1a is 93 kDa, but the modified protein HIF1a is about 110-120kDa (PMID: 11698256,.PMID: 7539918).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504385
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NCBI GeneID	3091
NCBI Accession #	NP_001521.1
NCBI GenBank Nucleotide #	NM_001530.4
UniProt Accession #	Q16665
Molecular Weight	120 kDa
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 1
NCBI Official Synonym Full Names	hypoxia inducible factor 1 subunit alpha
NCBI Official Symbol	HIF1A
NCBI Official Synonym Symbols	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF-1-alpha
NCBI Protein Information	hypoxia-inducible factor 1-alpha
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/hif1a-antibody-western-blot-immunofluorescence-elisa/249054>