

anti- HIF1a antibody

Product Information

Catalog No.:	FNab09940
Size:	100 μ g
Form:	liquid
Purification:	protein A+G purified
Purity:	\geq 95% as determined by SDS-PAGE
Host:	Mouse
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20 $^{\circ}$ C for 24 months (Avoid repeated freeze / thaw cycles.)

Background

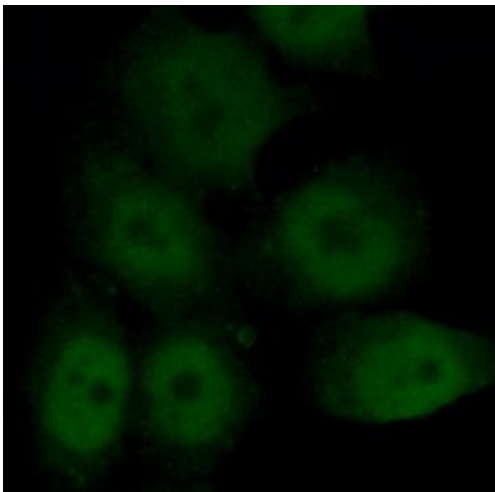
Under normal oxygen conditions, HIF1a is continuously produced and destroyed, in a process involving hydroxylation, interaction with von Hippel-Lindau (VHL) protein, polyubiquitylation and subsequent proteasomal degradation. Under hypoxic conditions, hydroxylation is impaired and HIF1a is stabilized. 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).

Immunogen information

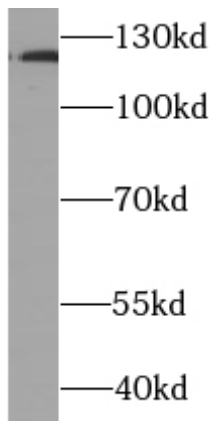
Immunogen:	hypoxia inducible factor 1, alpha subunit(basic helix-loop-helix transcription factor)
Synonyms:	BHLHE78, MOP1, PASD8
Calculated MW:	120 kDa
Uniprot ID :	Q16665

Application

Specificity:	Human; other species are not tested. Please decide the specificity by homology
Tested Application:	ELISA, IF, WB
Recommended dilution:	WB: 1:1000-1:10000; IF: 1:50-1:200
Image:	



Immunofluorescent analysis of (-20 °C Ethanol) fixed Cobalt Chloride treated HeLa cells using FNab09940 (HIF1a antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated Goat Anti-Mouse IgG(H+L)



Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with FNab09940(HIF1a Antibody) at dilution of 1:5000