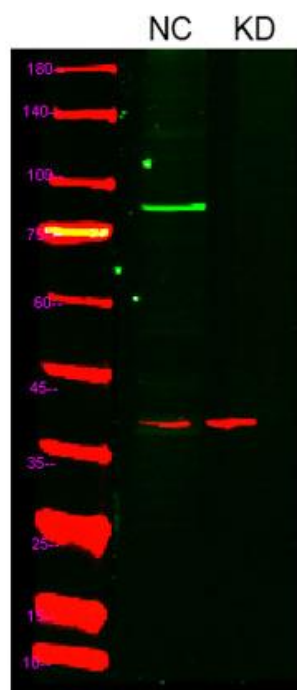


Product name:	HIF-1 alpha Rabbit Polyclonal Antibody
Cat number:	AB-84798
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human HIF-1alpha. AA range:328-377
Reactivity:	Human, Mouse, Rat
Applications:	Immunofluorescence: 1:50-200 Western Blot: 1/500 - 1/2000 Immunoprecipitation: 1:200 Immunohistochemistry: 1/100 - 1/300
Molecular Weight:	92-130kD
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Background:	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.



Western blot analysis of lysates from 1)Hela cell , 2)Hela cells knockdown by siRNA
(F:GCCACAUUCACGUUAUAUGATT,R:UCAUAUACGUGAAUGU GGCTT),(Green) primary antibody was diluted at 1:1000,4°over night, AF 800 secondary antibody.