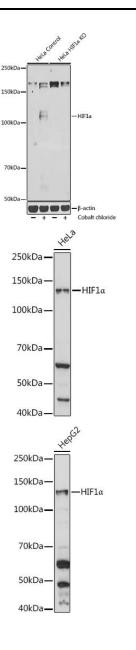
[KO Validated] HIF1Alpha Rabbit Polyclonal Antibody

CAB7684



Product Information	Protein Background
Size:	This gene encodes the alpha subunit of transcription factor hypoxia-inducible factor-1 (HIF-1)
20uL, 50uL, 100uL, 200uL	which is a heterodimer composed of an alpha and a beta subunit. HIF-1 functions as a maste regulator of cellular and systemic homeostatic response to hypoxia by activating transcription
Observed MW:	of many genes, including those involved in energy metabolism, angiogenesis, apoptosis, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation
125kDa	to hypoxia. HIF-1 thus plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease. Alternatively spliced transcript variants encoding
Calculated MW:	different isoforms have been identified for this gene.
82kDa/92kDa/95kDa	Immunogen information
Applications:	Gene ID:
WB	3091
Reactivity:	Uniprot
Human, Mouse	Q16665
	Synonyms:
Antibody Information	HIF1A; HIF-1-alpha; HIF-1A; HIF-1alpha; HIF1; HIF1-ALPHA; MOP1; PASD8; bHLHe78
Recommended dilutions: WB 1:500 - 1:2000	
	Immunogen:
Source: Rabbit	A synthetic peptide of human HIF1Alpha
	Storage:
lsotype:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%
lgG	sodium azide, 50% glycerol, pH7.3.

Purification: Affinity purification



Western blot analysis of extracts from normal (control) and HIF1alpha knockout (KO) HeLa cells, using HIF1a antibody (CAB7684) at 1:500 dilution.Hela cells were treated by Cobalt chloride (250uM) at 37'C for 16 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 180s.

Western blot analysis of extracts of HeLa cells, using HIF1a antibody (CAB7684) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 3s.

Western blot analysis of extracts of HepG2 cells, using HIF1a antibody (CAB7684) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.