

HIF1A Polyclonal Antibody

Catalog No.	A6265	Category	Polyclonal Antibodies
Applications	WB	Observed MW	120kDa
Cross-reactivity	Human	Calculated MW	82kDa/92kDa/95kDa

Immunogen Information

Immunogen	A synthetic peptide of human HIF1A
Gene ID	3091
Swiss prot	Q16665
Synonyms	HIF1A;HIF-1-alpha;HIF-1A;HIF-1alpha;HIF1;HIF1-ALPHA;MOP1;PASD8;bHLHe78

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Background

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.

Recommended Dilutions

WB 1:500 - 1:1000



Western blot analysis of extracts of HeLa cells, using HIF1A antibody (A6265) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Western blot analysis of extracts of Raji cells, using HIF1A antibody (A6265) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.