

HIF-1 alpha (Acetyl Lys532) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP10397
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human HIF-1 α (Acetyl Lys532)
Mol wt	90860
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	HIF-1 alpha
Synonyms	HIF-1 α ;Acetyl Lys532; Hypoxia-inducible factor 1-alpha; HIF-1-alpha; HIF1-alpha; ARNT-interacting protein; Basic-helix-loop-helix-PAS protein MOP1; Class E basic helix-loop-helix protein 78; bHLHe78; Member of PAS protein 1; PAS domain-containing protein 8

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Contains two independent C-terminal transactivation domains| NTAD and CTAD| which function synergistically. Their transcriptional activity is repressed by an intervening inhibitory domain (ID).|Functions as a master transcriptional regulator of the adaptive response to hypoxia. Under hypoxic conditions activates the transcription of over 40 genes| including| erythropoietin| glucose transporters| glycolytic enzymes| vascular endothelial growth factor| and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. Plays an essential role in embryonic vascularization| tumor angiogenesis and pathophysiology of ischemic disease. Binds to core DNA sequence 5'-

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year