

## HIF-1 alpha (Acetyl Lys532) Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP10397
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human HIF-1 $\alpha$ (Acetyl Lys532)
<b>Mol wt</b>	90860
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	HIF-1 alpha
<b>Synonyms</b>	HIF-1 $\alpha$ ;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