

## Product datasheet for **AP20606PU-N**

### HIF3 alpha (HIF3A) (323-376) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 323-376 of Human HIF-3A
Specificity:	This antibody detects endogenous levels of HIF-3alpha protein. (region surrounding Glu354)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified IgG fraction (> 95% (by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	hypoxia inducible factor 3 alpha subunit
Database Link:	<a href="#">Entrez Gene 64344 Human Q9Y2N7</a>



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**Background:**

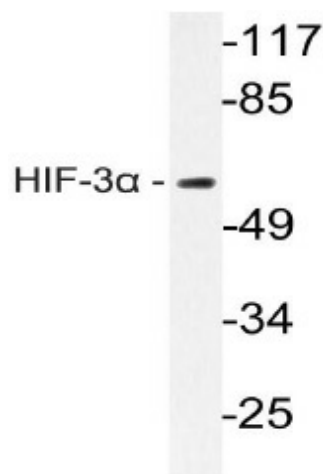
Cell growth and viability is compromised by oxygen deprivation (hypoxia). Hypoxia-inducible factors, including HIF-1 $\alpha$ , HIF-1 $\beta$  (also designated Arnt 1), EPAS-1 (also designated HIF-2 $\alpha$ ) and HIF-3 $\alpha$ , induce glycolysis, erythropoiesis and angiogenesis in order to restore oxygen homeostasis. Hypoxia-inducible factors are members of the Per-Arnt-Sim (PAS) domain transcription factor family. In response to hypoxia, HIF-1 $\alpha$  is upregulated and forms a heterodimer with Arnt 1 to form the HIF-1 complex. The HIF-1 complex recognizes and binds to the hypoxia responsive element (HRE) of hypoxia-inducible genes, thereby activating transcription.

**Synonyms:**

HIF-3 alpha, Hypoxia-inducible factor 3 alpha, BHLHE17, MOP7, PASD7, Member of PAS protein 7, IPAS

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**

Western blot analysis of HIF3A Antibody (Cat.-No.-AP20606PU-N) in extracts from Rat brain cells.