

## HIF-3 alpha Antibody (R31264)

Catalog No.	Formulation	Size
R31264	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q9Y2N7
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This HIF-3 alpha antibody is available for research use only.



Western blot testing of HIF-3 alpha antibody and rat brain tissue lysate.  
Expected/observed size ~72KD

## Description

Hypoxia-inducible factor 3 alpha, also called MOP7, is a protein that in humans is encoded by the HIF3A gene. This gene involved in adaptive response to hypoxia. HIF3a suppresses hypoxia-inducible expression of [HIF1a](#) and [HIF2a](#). It binds to core DNA sequence 5'-TACGTG-3' within the hypoxia response element(HRE) of target gene promoters. The complex HIF3a-ARNT activates the transcription of reporter genes driven by HRE. This gene functions as an inhibitor of angiogenesis in the cornea.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HIF-3 alpha antibody may be

required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human HIF3A (DDDFQLNASEQLPRAYHR) was used as the immunogen for this HIF-3 alpha antibody.

## Storage

After reconstitution, the HIF-3 alpha antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.