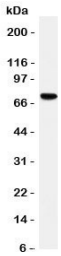
HIF-3 alpha Antibody (R31264)

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

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9Y2N7
Applications	Western blot: 0.5-1ug/ml
Limitations	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.

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