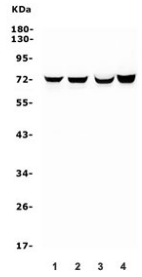
HIF3A Antibody / Hypoxia-inducible factor 3 alpha (RQ5626)

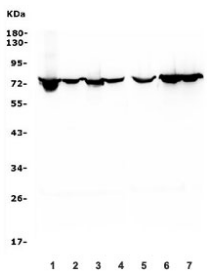
Catalog No.	Formulation	Size
RQ5626	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

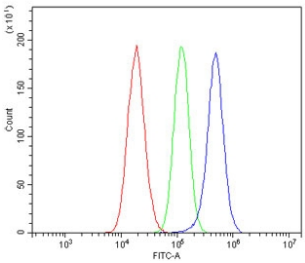
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9Y2N7
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This HIF3A antibody is available for research use only.



Western blot testing of 1) rat lung, 2) rat skeletal muscle, 3) mouse lung and 4) mouse NIH 3T3 lysate with HIF3A antibody. Expected molecular weight ~72 kDa.



Western blot testing of human 1) HeLa, 2) A431, 3) Caco-2, 4) U-87 MG, 5) U-2 OS, 6) K562 and 7) PC-3 lysate with HIF3A antibody. Expected molecular weight ~72 kDa.



Flow cytometry testing of human U-87 MG cells with HIF3A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HIF3A antibody.

Description

Hypoxia-inducible factor 3 alpha, also called MOP7, is a protein that in humans is encoded by the HIF3A gene. HIF3A is mapped to 19q13.32. This gene involved in adaptive response to hypoxia. HIF3A suppresses hypoxia-inducible expression of HIF1A and EPAS1. 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

Optimal dilution of the HIF3A antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q29-Q480) was used as the immunogen for the HIF3A antibody.

Storage

After reconstitution, the HIF3A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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