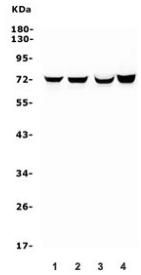
# HIF3A Antibody / Hypoxia-inducible factor 3 alpha (RQ5626)

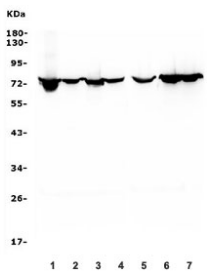
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5626 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

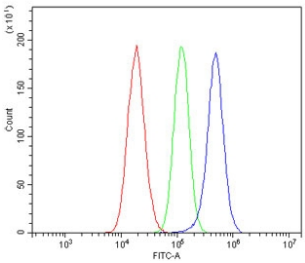
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | Q9Y2N7 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>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