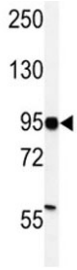
# HIF-1 alpha Antibody (F50744)

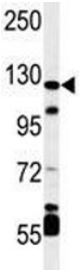
| Catalog No. | Formulation | Size |
|---|---|---|
| F50744-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F50744-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

## Bulk quote request

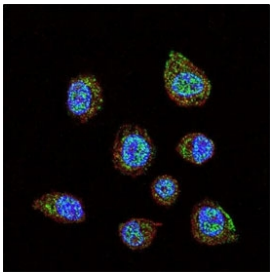
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Purified |
| **UniProt** | Q16665 |
| **Localization** | Nuclear, possible cytoplasmic |
| **Applications** | Western Blot : 1:1000<br>Immunofluorescence : 1:10-1:50<br>IHC (Paraffin) : 1:10-1:50 |
| **Limitations** | This HIF-1 alpha antibody is available for research use only. |



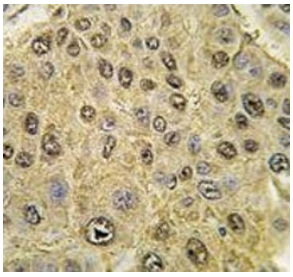

Western blot analysis of HIF-1 alpha antibody and MDA-MB231 lysate. Routinely observed molecular weight: 100~120 kDa.




Western blot analysis of HIF-1 alpha antibody and mouse cerebellum tissue lysate



Confocal immunofluorescent analysis of HIF-1 alpha antibody with MDA-MB231 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (blue).



IHC analysis of FFPE human hepatocarcinoma tissue stained with HIF-1 alpha antibody

## Description

Hypoxia-inducible factor-1 (HIF1) is a transcription factor found in mammalian cells cultured under reduced oxygen tension that plays an essential role in cellular and systemic homeostatic responses to hypoxia. HIF1 is a heterodimer composed of an alpha subunit and a beta subunit. The beta subunit has been identified as the aryl hydrocarbon receptor nuclear translocator (ARNT).

## Application Notes

Titration of the HIF-1 alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 728-757 from the human protein was used as the immunogen for this HIF-1 alpha antibody.

## Storage

Aliquot the HIF-1 alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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