# Recombinant HIF-1 alpha/HIF1A Monoclonal Antibody

**catalog number: AN300409P**

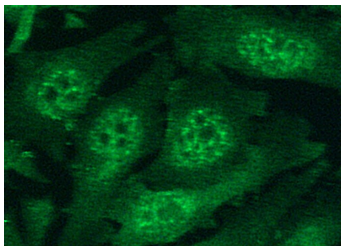
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant Human HIF-1 alpha/HIF1A Protein |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Clone** | B335 |
| **Purification** | Protein A |
| **Buffer** | 0.2 μm filtered solution in PBS |

| Applications | Recommended Dilution |
|---|---|
| **ICC/IF** | 1:20-1:100 |

## Data



Immunofluorescence analysis of Human HIF1A in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human HIF1A monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to nucleus and cytoplasm.

## Preparation & Storage

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|---|---|
| **Storage** | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| **Shipping** | Ice bag |

## Background

The hypoxia-inducible transcription factor 1 alpha (HIF-1 alpha ) is the regulated member of the transcription factor heterodimer HIF-1. HIF-1 binds to hypoxia-response elements (HREs) in the promoters of many genes involved in adapting to an environment of insufficient oxygen or hypoxia. Hypoxic tissue environments occur in vascular and pulmonary diseases as well as cancer, which illustrates the broad impact of gene regulation by HIF-1 alpha.


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