

## HIF-1 alpha Antibody (R31666)

Catalog No.	Formulation	Size
R31666	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

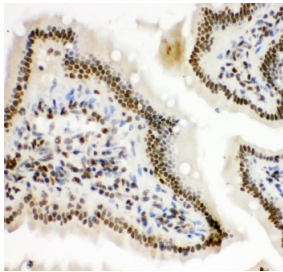
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	3091
<b>Localization</b>	Nuclear, possible cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This HIF-1 alpha antibody is available for research use only.



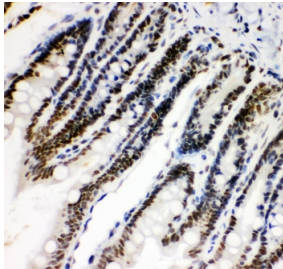
Western blot testing of HIF-1 alpha antibody and Lane 1: human HeLa; 2: human SHG-44; 3: mouse HEPA1-6; Routinely observed molecular weight: 100~120 kDa.



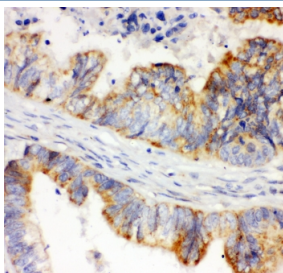
Western blot testing of HIF-1 alpha antibody and recombinant human protein (0.5ng)



IHC-P: HIF-1 alpha antibody testing of mouse intestine tissue



IHC-P: HIF-1 alpha antibody testing of rat intestine tissue



IHC-P: HIF-1 alpha antibody testing of human intestinal cancer tissue

## Description

Hypoxia-inducible factor 1a (HIF-1 alpha) is a transcription factor that mediates cellular and systemic homeostatic responses to reduced O<sub>2</sub> availability in mammals, including angiogenesis, erythropoiesis and glycolysis. It is crucial for the cellular response to hypoxia and plays a pivotal role in cellular adaptation to changes in oxygen availability.

## Application Notes

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

## Immunogen

Amino acids 703-732 (EEELNPKILALQNAQRKRKMEHDGSLFQAV-human) were used as the immunogen for this HIF-1 alpha antibody.

## Storage

The lyophilized HIF-1 alpha antibody can be stored at 4°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freezing and thawing.

