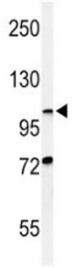
HIF1 alpha Antibody (F48865)

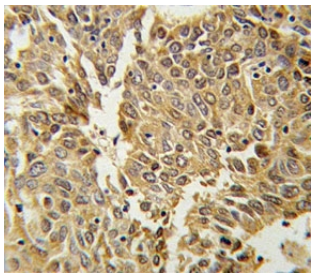
Catalog No.	Formulation	Size
F48865-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48865-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

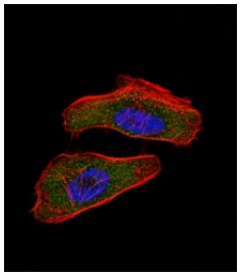
Availability	1-3 business days
Species Reactivity	Human, Hamster
Predicted Reactivity	Bovine
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q16665
Localization	Nuclear, possible cytoplasmic
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50 Immunofluorescence: 1:10-1:50
Limitations	This HIF1 alpha antibody is available for research use only.



Western blot analysis of HIF1 alpha antibody and CHO lysate. Routinely observed molecular weight: 100~120 kDa.



HIF1 alpha antibody IHC analysis in formalin fixed and paraffin embedded lung carcinoma.



Fluorescent confocal image of HeLa cell stained with HIF1 alpha antibody at 1:25. HIF1A immunoreactivity is localized to the cytoplasm and nucleus.

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). This protein encodes the alpha subunit of HIF-1. Overexpression of a natural antisense transcript (aHIF) of this gene has been shown to be associated with nonpapillary renal carcinomas.

For additional information on hypoxia-inducible factor 1 alpha and complementary antibody validation, visit our HIF1A Antibody / HIF-1 alpha 31H88 page.

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 1-30 from the human protein was used as the immunogen for this HIF1 alpha antibody.

Storage

Aliquot the HIF1 alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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