HIF-1 alpha Antibody (F50744)

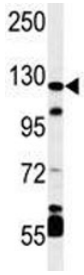
Catalog No.	Formulation	Size
F50744-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50744-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

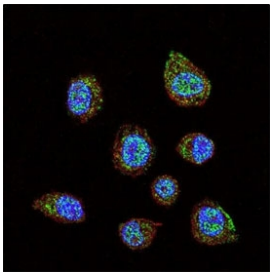
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q16665
Localization	Nuclear, possible cytoplasmic
Applications	Western blot: 1:1000 Immunofluorescence: 1:10-1:50 IHC (Paraffin): 1:10-1:50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



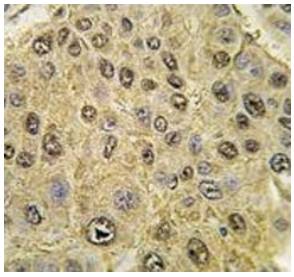
Western blot analysis of HIF-1 alpha antibody and MDA-MB231 lysate. Routinely observed molecular weight: 100~120 kDa.



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).

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 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.

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