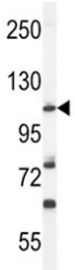
HIF1A Antibody (F50745)

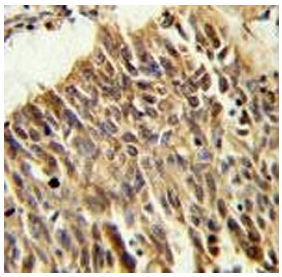
Catalog No.	Formulation	Size
F50745-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50745-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

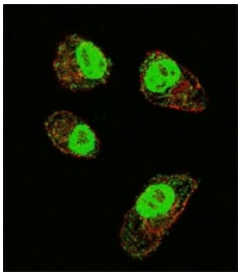
Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat, Bovine
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q16665
Localization	Nuclear, possible cytoplasmic
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Immunofluorescence: 1:10-1:50 Flow Cytometry: 1:10-1:50
Limitations	This HIF1A antibody is available for research use only.



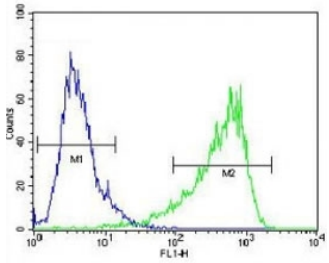
Western blot analysis of HIF1A antibody and mouse NIH3T3 lysate. Routinely observed molecular weight: 100~120 kDa.



HIF1A antibody IHC analysis in formalin fixed and paraffin embedded lung carcinoma.



Confocal immunofluorescent analysis of HIF1A 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).



HIF1A antibody flow cytometric analysis of NIH3T3 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

HIF1A functions as a master transcriptional regulator of the adaptive response to hypoxia. Under hypoxic conditions, activates the transcription of over 40 genes, including erythropoietin, glucose transporters, glycolytic enzymes, vascular endothelial growth factor, HILPDA, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. Plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease. [UniProt]

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 HIF1A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 519-547 from the human protein was used as the immunogen for this HIF1A antibody.

Storage

Aliquot the HIF1A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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