antibodies - online.com







anti-HIF1A antibody (AA 519-547)



Images



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Quantity:	0.4 mL
Target:	HIF1A
Binding Specificity:	AA 519-547
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIF1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

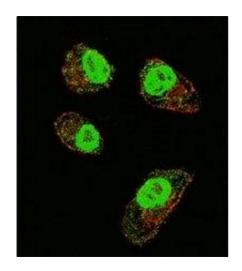
Immunogen:	A portion of amino acids 519-547 from the human protein was used as the immunogen for this HIF1A antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Rat
Purification:	Purified

Target Details

Target:	HIF1A
Alternative Name:	HIF1A (HIF1A Products)

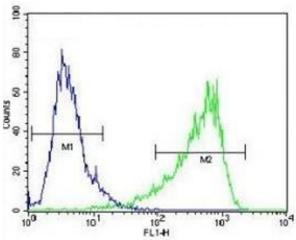
Target Details

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Background:	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 othe	
	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]	
UniProt:	Q16665	
Pathways:	Positive Regulation of Peptide Hormone Secretion, Regulation of Hormone Metabolic Process,	
	Regulation of Hormone Biosynthetic Process, Cellular Response to Molecule of Bacterial Origin	
	Carbohydrate Homeostasis, Transition Metal Ion Homeostasis, Tube Formation, Regulation of	
	Carbohydrate Metabolic Process, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1	
	Specific Signals, Warburg Effect	
Application Details		
Application Notes:	Titration of the HIF1A antibody may be required due to differences in protocols and	
	secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-	
	1:100,Immunofluorescence: 1:10-1:50,Flow Cytometry: 1:10-1:50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	In 1X PBS pH 7.4 with 0.09 % sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Aliquot the HIF1A antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw	
	cycles.	



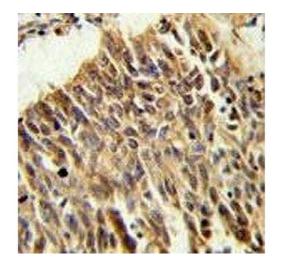
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of HIF1A antibody with MDA-MB231 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).



Flow Cytometry

Image 2. HIF1A antibody flow cytometric analysis of NIH3T3 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-antirabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 3. HIF1A antibody IHC analysis in formalin fixed and paraffin embedded lung carcinoma.

Please check the product details page for more images. Overall 7 images are available for ABIN3031284.