

# HIF1A Monoclonal Antibody (H1alpha67), DyLight™ 488

Product Details	
Size	100 µL
Species Reactivity	Bovine, Dog, Cat, Ferret, Human, Mouse, Non-human primate, Sheep, Pig, Rabbit, Rat, Xenopus
Published Species	Rabbit, Rat, Human, Mouse
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	H1alpha67
Conjugate	DyLight™ 488
Excitation/Emission Max	492/519 nm
Immunogen	Fusion protein containing amino acids 432-528 of human HIF-1alpha.
Form	Liquid
Concentration	0.72 mg/mL
Purification	Protein G
Storage buffer	50mM sodium borate
Contains	0.05% sodium azide
Storage conditions	4° C, store in dark
RRID	AB_11157022

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	7 Publications
Immunohistochemistry (IHC)	-	20 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	1:100	-
Immunocytochemistry (ICC/IF)	Assay-Dependent	2 Publications
Flow Cytometry (Flow)	Assay-Dependent	-
ELISA (ELISA)	Assay-Dependent	-
Gel Shift (GS)	-	1 Publication

## Product Specific Information

In Western blot, multiple bands may be seen at 100-120 kDa representing post-translational modification of HIF-1 alpha.

For WB, testing on nuclear extracts is recommended.

Suggested positive control: Cos-7 nuclear extracts.

## Western Blot (7)

<b>Phytomedicine : international journal of phytotherapy and phytopharmacology</b> <b>Enhancing effects of a chromone glycoside, eucryphin, isolated from Astilbe rhizomes on burn wound repair and its mechanism.</b> "MA5-16009 was used in western blot to study the mechanisms underlying the beneficial effects of a chromone glycoside on the repair of burn wounds" Authors: Sumiyoshi M,Kimura Y	<b>Year</b> 2010  <b>Species</b> Human
<b>PloS one</b> <b>Changes in vascular permeability and expression of different angiogenic factors following anti-angiogenic treatment in rat glioma.</b> "MA5-16009 was used in western blot to study changes in vascular parameters, growth factors and tumor size following treatment of rat glioma with a VEGFR tyrosine kinase inhibitor" Authors: Ali MM,Janic B,Babajani-Feremi A,Varma NR,Iskander AS,Anagli J,Arbab AS	<b>Year</b> 2010  <b>Species</b> Rat

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## Immunohistochemistry (20)

<b>Nature communications</b> <b>Perfluorocarbon regulates the intratumoural environment to enhance hypoxia-based agent efficacy.</b> "Published figure using HIF1A monoclonal antibody (Product # MA5-16009) in Immunocytochemistry" Authors: Wang W,Cheng Y,Yu P,Wang H,Zhang Y,Xu H,Ye Q,Yuan A,Hu Y,Wu J	<b>Year</b> 2019
<b>BMC cancer</b> <b>The role of CXCR2 and suppressor of cytokine signaling-3 (SOCS-3) in renal cell carcinoma.</b> "MA5-16009 was used in immunohistochemistry to study the expression and role of CXCR2 and SOCS3 in renal cell carcinoma aggressiveness and metastasis" Authors: Stofas A,Levidou G,Piperi C,Adamopoulos C,Dalagorgou G,Bamias A,Karadimou A,Lainakis GA,Papadoukakis S,Stravodimos K,Dimopoulos MA,Patsouris E,Gakiopoulou H,Korkolopoulou P	<b>Year</b> 2014  <b>Species</b> Human

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ICC/IF (2)    GS (1)

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