

Mouse Anti-HIF-1 alpha [H1α67]: MC0224, MC0224RTU7

Intended Use: For Research Use Only

Description: The HIF-1 Alpha subunit of hypoxia-inducible factor 1 is a transcription factor that functions as a master transcriptional regulator of the adaptive response to hypoxia. HIF-1 activates the transcription of many genes, thus playing a role in various biological processes, including cardiovascular development, angiogenesis, energy metabolism, and cell survival.

Specifications

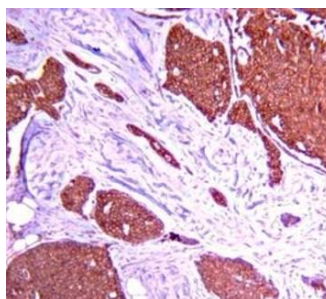
Clone:	H1α67
Source:	Mouse
Isotype:	IgG2b
Reactivity:	Human, mouse, rat
Immunogen:	Human HIF-1α aa 432-528
Localization:	Nucleus, cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN ₃)
Storage:	Store at 2° - 8°C
Applications:	IHC, IF, WB
Package:	

Description	Catalog No.	Size
HIF-1 alpha Concentrated	MC0224	1 ml
HIF-1 alpha Prediluted	MC0224RTU7	7 ml

IHC Procedure

Positive Control:	Breast carcinoma, kidney
Concentrated Dilution:	25-200
Pretreatment:	Tris EDTA pH8.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human ductal in situ carcinoma tissue stained with anti-HIF-1 alpha using DAB

References:

1. Hypoxia-Inducible Factor-1α Is Associated With Sprouting Angiogenesis in the Murine Laser-Induced Choroidal Neovascularization Model. André H, et al. Invest Ophthalmol Vis Sci. Oct;56(11):6591-604, 2015.
2. CXCR7 and CXCR4 Expressions in Infiltrative Astrocytomas and Their Interactions with HIF1α Expression and IDH1 Mutation. Bianco AM, et al. Pathol Oncol Res. Apr;21(2):229-40, 2015.
3. HIF-1α, VEGF and WT-1 are protagonists in bilateral primary angiosarcoma of breast: a case report and review of literature. Al-Salam S, et al. Int J Clin Exp Pathol. 5(3):247-53, 2012.
4. Hypoxia and the expression of HIF-1α and HIF-2α in the retina of streptozotocin-injected mice and rats. Wright WS, et al. Exp Eye Res. Mar;90(3):405-12, 2010.