



# Gentaur

## Anti-HIF-1 alpha (HIF1A) Rabbit Monoclonal Antibody, Clone#RM242

Catalog Number: M00013-1

### Overview

Product Name	Anti-HIF-1 alpha (HIF1A) Rabbit Monoclonal Antibody, Clone#RM242
Reactive Species	Human
Description	Anti-HIF-1 alpha (HIF1A) Rabbit Monoclonal Antibody, Clone#RM242 (Catalog # M00013-1). Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Monoclonal RM242
Formulation	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Storage Instructions	Store at -20°C for one year. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q16665

### Technical Details

Immunogen	A peptide corresponding to Hypoxia-inducible factor 1-alpha
Cross Reactivity	This antibody reacts to human HIF-1-alpha (Hypoxia-inducible factor 1-alpha).
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Protein A affinity purified from an animal origin-free culture supernatant
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (IHC): 1:500-1:1000 dilution WB: 1:1000-1:2000 dilution.

## Anti-HIF-1 alpha (HIF1A) Rabbit Monoclonal Antibody, Clone#RM242 (M00013-1) Images

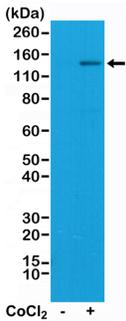


Figure 1. Western Blotting result  
Western Blot of Jurkat cell lysate, nontreated or treated with Cobalt(II) chloride (CoCl<sub>2</sub>), using Anti-HIF-1-alpha RM242 at a 1:1000 dilution, showed that HIF-1-alpha (~120 kDa) expression was induced by CoCl<sub>2</sub> in Jurkat cells.

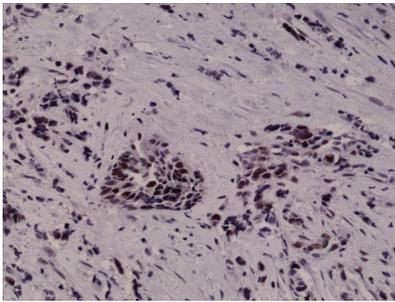


Figure 2. IHC result  
Immunohistochemical staining of formalin fixed and paraffin embedded human breast cancer tissue sections using Anti-HIF-1-alpha RM242 at a 1:1000 dilution.

## 11 Publications Citing This Product

1. PubMed ID: 31556558, Shao JB, Li Z, Zhang N, Yang F, Gao W, Sun ZG. Hypoxia-inducible factor 1alpha in combination with vascular endothelial growth factor could predict the prognosis of postoperative patients with oesophageal squamous cell cancer. *Pol J Pathol.* 2019;70(2):84-90. doi:10.5114/pjp.2019. 87100. PMID:31556558.
2. PubMed ID: 31897199, Wan J, Ling X, Rao Z, Peng B, Ding G. Independent prognostic value of HIF-1alpha expression in radiofrequency ablation of lung cancer. *Oncol Lett.* 2020 Jan;19(1):849-857. doi:10.3892/ol.2019.11130. Epub 2019 Nov 21. PMID: 31897199; PMCID: PMC6924154.
3. PubMed ID: 28498475, Targeting hexokinase 2 inhibition promotes radiosensitization in HPV16 E7-induced cervical cancer and suppresses tumor growth