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3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

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	Boster Bio 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% stabilizing protein and 0.09% sodium azide This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	Immunohistochemistry (IHC): 1:500-1:1000 dilution WB: 1:1000-1:2000 dilution.

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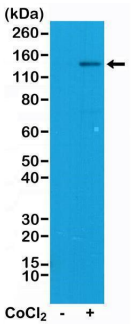
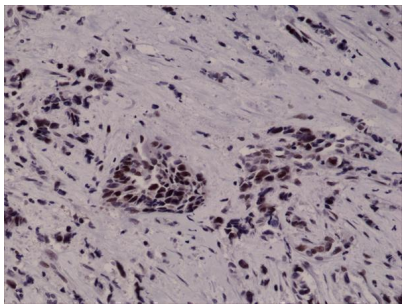
Anti-HIF-1 alpha (HIF1A) Rabbit Monoclonal Antibody, Clone#RM242 (M00013-1) Images



Western Blotting resultWestern Blot of Jurkat cell lysate, nontreated or treated with Cobalt(II) chloride (CoCl2), using Anti-HIF-1-alpha RM242 at a 1:1000 dilution, showed that HIF-1-alpha (~120 kDa) expression was induced by CoCl2 in Jurkat cells.



IHC resultImmunohistochemical 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

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