

Datasheet: MCA5645GA

Description:	MOUSE ANTI HUMAN HIF2 ALPHA
Specificity:	HIF2 ALPHA
Other names:	EPAS-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	Hif2alpha237
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
External Database Links	UniProt: Q99814 Related reagents Entrez Gene: 2034 EPAS1 Related reagents
Synonyms	BHLHE73, HIF2A, MOP2, PASD2
RRID	AB_10846102
Specificity	<p>Mouse anti Human HIF2 alpha antibody, clone Hif2alpha237 specifically recognizes human HIF2 alpha (HIF2A), otherwise known as EPAS-1 (endothelial PAS domain-containing protein 1), a nuclear transcription factor, selectively expressed by endothelial cells, which acts as an inducer of oxygen-regulated genes, during oxygen deprivation (hypoxia).</p> <p>HIF2A is involved in the regulation of vascular endothelial growth factor (VEGF) expression, and is implicated in vasculogenesis. Mutations in HIF2A are responsible for the autosomal dominant disorder erythrocytosis familial type 4 (ECYT4), characterized by elevated haemoglobin concentration, increased serum red blood cell mass, and haematocrit.</p>
Histology Positive Control Tissue	Human tonsil
References	1. Pike, L.R. <i>et al.</i> (2012) ATF4 orchestrates a program of BH3-only protein expression in severe hypoxia. Mol Biol Rep. 39: 10811-22.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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From March 15, 2021, we will no longer supply printed datasheets with our products.
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