

Datasheet: MCA4739B

Description:	MOUSE ANTI RABBIT GAPDH:Biotin
Specificity:	GAPDH
Other names:	GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	6C5
lsotype:	lgG1
Quantity:	0.1 mg

Product Details

Applications	This product has been rep	This product has been reported to work in the following applications. This information is derived							
	from testing within our labo	oratories, p	eer-reviewe	ed publications or person	al 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 Sugge							
	Flow Cytometry								
	Immunohistology - Frozen	-							
	Immunohistology - Paraffin								
	ELISA	-							
	Immunoprecipitation	-							
	Western Blotting	-			1/100 - 1/1000				
	Immunofluorescence	-							
	Where this product has no	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							
	exclude its use in such pro								
	recommended that the user titrates the product for use in their own system using appropriate								
	negative/positive controls.		-	-					
	. .								
Target Species	Rabbit								
Species Cross	Reacts with: Human, Pig, I	Dog, Cat, F	Rat, Mouse,	Xenopus, Tube-nosed I	Bat, Chicken, Sheep,				
Reactivity	African green monkey, Crucian Carp								
	Based on sequence similarity, is expected to react with:Vertebrates								
	N.B. Antibody reactivity an	nd working	conditions r	may vary between specie	es.				
Product Form	Purified IgG conjugated to	Biotin - liq	uid						
Preparation	Purified IgG prepared by a	iffinity chro	matography	on Protein A from tissu	e culture supernatant				
Buffer Solution	Phosphate buffered saline								
Preservative	0.09% Sodium Azide (NaN	3)							
Stabilisers	1% Bovine Serum Albumir	0,							
Approx. Protein	IgG concentration 0.1mg/n	nl							

Concentrations

Immunogen	Rabbit muscle	GAPDH.	
External Database Links	UniProt:		
LIIIKS	P46406	Related re	eagents
	<u>P04406</u>	Related re	eagents
	<u>P04797</u>	Related re	eagents
	<u>P16858</u>	Related re	eagents
	<u>P00355</u>	Related re	eagents
	Entrez Gene:		
	<u>100009074</u>	GAPDH	Related reagents
	<u>2597</u>	GAPDH	Related reagents
	<u>396823</u>	GAPDH	Related reagents
	<u>14433</u>	Gapdh	Related reagents
	<u>24383</u>	Gapdh	Related reagents
Synonyms	Gapd, GAPD		
Fusion Partners	Spleen cells fro	om immuni	ised Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.
	yielding step in GAPDH has al which are asso shown that GA	n carbohydi Iso been sh pociated with PDH binds	ide adenine dinucleotide (NAD). This reaction is an important energy rate metabolism. hown to translocate to the nucleus under a variety of stressors, most of n oxidative stress, whereby it mediates cell death. A further report has s to several proteins that are responsible for neurodegenerative diseases, or protein and Huntingtin (<u>Hara <i>et al.</i> 2006</u>).
Western Blotting	MCA4739B is	suitabl for	use as a loading control.
References	chronic liver di 2. Haller, S. <i>et</i>	sease prog <i>al.</i> (2012)	10) Oral methylthioadenosine administration attenuates fibrosis and gression in Mdr2-/- mice. <u>PLoS One. 5: e15690.</u> Expression profiles of metabolic enzymes and drug transporters in the ine of beagle dogs. <u>Drug Metab Dispos. 40 (8): 1603-10.</u>

	Email: antibody_	sales_us@bio-ı	rad.com	Email: antibody_sales_uk@bio	-rad.com	Email: antibody_sales_de@bio-rad.co
orth & South nerica	Fax: +1 919 878	3751	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50
Regulate	ory	For resear	ch purposes c	only		
Health A Informat	and Safety tion	Material Safety Datasheet documentation #10041 available at: 10041: <u>https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</u>				
Shelf Lif	e	18 months from date of despatch.				
Storage		Storage in This produ	ict should be s	zers is not recommended. stored undiluted. Avoid rep	eated freezing	g and thawing as this may denatu mend microcentrifugation before
		9. Hao, F. <i>et al.</i> (2017) Inhibition of Caspase-8 does not protect from alcohol-induced liver apoptosis but alleviates alcoholic hepatic steatosis in mice. <u>Cell Death Dis. 8 (10): e3152.</u>				
			nd alters gluta			ces the glutamate transporter mary cells. <u>Mol Cell Endocrinol.</u>

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