

Datasheet: MCA6039

Description:	MOUSE ANTI TIGAR
Specificity:	TIGAR (aa1-270)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	Woody-1
Isotype:	IgG2b
Quantity:	50 µg

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
Immunoprecipitation	▪			1/200
Western Blotting	▪			

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.

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	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant human TIGAR (aa1-270)
External Database Links	<p>UniProt: Q9NQ88 Related reagents</p> <p>Entrez Gene: 57103 C12orf5 Related reagents</p>

Synonyms	C12orf5
Specificity	Mouse anti TIGAR antibody clone Woody-1 recognizes TIGAR also known as TP53-induced glycolysis and apoptosis regulator and TP53-induced glycolysis regulatory phosphatase. TIGAR is a fructose 2,6 biphosphatase whose expression is induced by the transcription factor p53 in response to oxidative stress. TIGAR, as it slows down the glycolytic rate, and the accumulation of 2,6 fructose 2,6-bisphosphate has a protective role that prevents cells from "acquiring cancer hallmarks" (Bensaad et al. 2006). In addition, TIGAR protects cells by reducing the amount of reactive oxygen species, thereby preventing DNA damage caused by reactive oxygen species (Gottlieb and Vousden, 2010). TIGAR by mediating reactive oxygen levels has also been shown to regulate reactive oxygen induced apoptotic responses (Bensaad et al. 2006).
Western Blotting	Mouse anti TIGAR recognizes a band of ~30 kDa by western blot
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
Shelf Life	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 (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG2b (HCA038...)	FITC , HRP

Recommended Negative Controls

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

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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