

Datasheet: VMA00818

Description:	MOUSE ANTI GSTK1
Specificity:	GSTK1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB02/2F8
Isotype:	IgG2b
Quantity:	100 µl

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
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-226 of human GSTK1

**External Database
Links**

UniProt:

[Q9Y2Q3](#) [Related reagents](#)

Entrez Gene:

[373156](#) GSTK1 [Related reagents](#)

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti GSTK1 antibody** recognizes glutathione S-transferase kappa 1, also known as hGSTK1.

GSTK1 belongs to the GST superfamily of enzymes involved with detoxification of noxious compounds and protection from oxidative damage. The kappa class of GSTs (GSTK) are mitochondrial and peroxisomal (Munyampundu et al. 2016). GST activity in tumor cells may be related to their resistance to chemotherapeutic drugs, and identifying GST polymorphisms could help guide personalized cancer therapy (Was et al. 2018). GSTK1 is crucial for maintenance of mitochondrial function and homeostasis (Munyampundu et al. 2016). GSTK1 has been suggested as a potential biomarker for type 2 diabetes (Deng et al. 2019).

Western Blotting Mouse anti GSTK1 antibody detects a band of approximately 23 kDa in HEK293 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00818>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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