

Datasheet: VMA00818

**BATCH NUMBER 100004381**

<b>Description:</b>	MOUSE ANTI GSTK1
<b>Specificity:</b>	GSTK1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB02/2F8
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - Liquid
<b>Preparation</b>	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<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](#)

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

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**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).

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

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

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories

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

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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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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