

Datasheet: VMA00754

BATCH NUMBER 180704

Description:	MOUSE ANTI GSK3 ALPHA (pSer21)
Specificity:	GSK3 ALPHA (pSer21)
Other names:	GSK3A
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	9B8
Isotype:	IgG1
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 purified by thiophilic adsorption and size exclusion chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide PEG & Sucrose
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen	Phosphopeptide conjugated to KLH
External Database Links	UniProt: P49840 Related reagents Entrez Gene: 2931 GSK3A Related reagents
Specificity	Mouse anti GSK3 alpha antibody, clone 9B8 recognizes glycogen synthase kinase-3 alpha, also known as serine/threonine-protein kinase GSK3A, when phosphorylated at serine 21. GSK3 controls several physiological processes, such as modulation of transcription factor AP-1 (Nikolakaki et al. 1993) and CREB (Fiol et al. 1994) as well as glycogen metabolism (Welsh and Proud 1993). The kinase has also been reported to regulate cyclin D1 proteolysis and localization (Diehl et al. 1998). Phosphorylation of GSK3 at serine 21 leads to inactivation of the kinase (Frame et al. 2001) and is associated with poor survival chances in Acute Myeloid Leukemia (AML) patients (Ruvolo et al. 2015).
Western Blotting	Mouse anti GSK3 alpha (pSer21) detects a band of approximately 51 kDa in pervanadate-treated HepG2 (treated lysate) 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 #20403 available at: https://www.bio-rad-antibodies.com/SDS/VMA00754 Antibody (20403)
Regulatory	For research purposes only

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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