

Datasheet: VMA00342

Description:	MOUSE ANTI GSK3 ALPHA/BETA
Specificity:	GSK3 ALPHA/BETA
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB05/3C12
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

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen Synthetic peptide corresponding to amino acids 205-221 of human GSK3 beta

External Database Links

UniProt:

[P49840](#) [Related reagents](#)

[P49841](#) [Related reagents](#)

Entrez Gene:

[2931](#) GSK3A [Related reagents](#)

[2932](#) GSK3B [Related reagents](#)

Specificity

Mouse anti Human GSK3 alpha/beta antibody recognizes glycogen synthase kinase-3 (GSK3) alpha also known as glycogen synthase kinase-3 alpha, GSK-3 alpha and serine/threonine-protein kinase GSK3A and the glycogen synthase kinase-3 (GSK3) beta, also known as GSK-3 beta, GSK3beta isoform, glycogen synthase kinase-3 beta and serine/threonine-protein kinase GSK3B.

The proteins encoded by GSK3A and GSK3B genes are a serine-threonine kinases, belonging to the glycogen synthase kinase subfamily. GSK3A is involved in Alzheimer and diabetes and GSK3B have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of GSK3B may be relevant to the pathogenesis of Alzheimer disease (provided by RefSeq, Sep 2009).

Mouse anti Human GSK3 alpha/beta antibody detects bands of 51 and 47 kDa respectively. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti GSK3 alpha/beta detect bands of approximately 47 kDa and 51 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: Antibody (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 (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

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

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