

Datasheet: VPA00205KT

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| Description: | GSK3 ALPHA ANTIBODY WITH CONTROL LYSATE |
| Specificity: | GSK3 ALPHA |
| Format: | Purified |
| Product Type: | PrecisionAb™ Polyclonal |
| Isotype: | Polyclonal IgG |
| Quantity: | 2 Westerns |

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 |

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

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| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | 20µl Rabbit Ig fraction prepared by ammonium sulphate precipitation |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Immunogen | KLH conjugated synthetic peptide between 76-105 amino acids from the N-terminal region of human GSK3 alpha |

External Database

Links

UniProt:

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

Entrez Gene:

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

Specificity

Rabbit anti Human GSK3 alpha antibody recognizes glycogen synthase kinase-3 (GSK3) alpha, also known as serine/threonine-protein kinase GSK3A.

Encoded by the GSK3A gene, GSK3 alpha encodes a multifunctional Ser/Thr protein kinase that is

implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease (provided by RefSeq, Oct 2011).

Rabbit anti Human GSK3 alpha antibody detects a band of 51 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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| Western Blotting | Anti GSK3 alpha detects a band of approximately 51 kDa in HEK293 cell lysates |
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| Instructions For Use | Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page. |
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| Lysate Composition | 400µg HEK293 lysate lyophilized in RIPA buffer. |
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| Lysate Reconstitution | - If using DDT reconstitute the lyophilized lysate with 190µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol. |
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| Storage | Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles. Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage. |
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| Shelf Life | As supplied, 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 #10561 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf |
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|-------------------|----------------------------|
| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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