

Datasheet for ABIN1714094

anti-GSK3 alpha/beta antibody (AA 151-250)**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	GSK3 alpha/beta (GSK3a/b)
Binding Specificity:	AA 151-250
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSK3 alpha/beta antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GSK3 Alpha + Beta
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GSK3 alpha/beta (GSK3a/b)
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Target Details

Alternative Name:	GSK3 Alpha + Beta (GSK3a/b Products)
Background:	<p>Synonyms: Gsk3a, GSK 3 alpha, GSK-3 alpha, GSK3 alpha, Glycogen synthase kinase-3 alpha, GSK 3 alpha, DKFZp686D0638, GSK 3A, GSK3A, GSK3alpha, GSK3A_HUMAN, Glycogen synthase kinase 3 alpha, Serine/threonine-protein kinase GSK3A, Glycogen synthase kinase 3 beta, GSK 3 beta, GSK 3B, GSK3B, GSK3B protein, GSK3beta isoform, GSK3 beta, Glycogen synthase kinase-3 beta, GSK-3 beta, GSK3B_HUMAN, Serine/threonine-protein kinase GSK3B.</p> <p>Background: The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009].</p>

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Freese, Reinhardt, Hefner, Unger, Kirkpatrick, Endres: "A novel blood-brain barrier co-culture system for drug targeting of Alzheimer's disease: establishment by using acitretin as a model drug." in: **PLoS ONE**, Vol. 9, Issue 3, pp. e91003, (2014) ([PubMed](#)).