

Datasheet for ABIN540998

anti-GSK3 alpha antibody (N-Term)[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	100 µg
Target:	GSK3 alpha (GSK3a)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSK3 alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of GSK3A.
Immunogen:	A synthetic peptide corresponding to N-terminus of human GSK3A.
Specificity:	This antibody recognizes GSK3A.
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Antibody Reactive Against Synthetic Peptide.

Target Details

Target:	GSK3 alpha (GSK3a)
Alternative Name:	GSK3 alpha (GSK3a Products)
Gene ID:	2931

Target Details

Pathways: [PI3K-Akt Signaling](#), [WNT Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [cAMP Metabolic Process](#), [Cellular Glucan Metabolic Process](#), [Regulation of Muscle Cell Differentiation](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [ER-Nucleus Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [BCR Signaling](#), [Warburg Effect](#)

Application Details

Application Notes: Western Blot (0.1-1 µg/mL)
ELISA (0.01-0.1 µg/mL)
Immunoprecipitation (2-5 µg/mL)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In TBS, pH 7.2 (BSA, 10 % Proclin300)

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

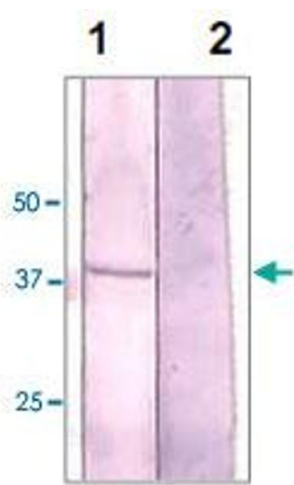
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C. For long term storage store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Asuni, Hooper, Reynolds, Lovestone, Anderton, Killick: "GSK3alpha exhibits beta-catenin and tau directed kinase activities that are modulated by Wnt." in: **The European journal of neuroscience** , Vol. 24, Issue 12, pp. 3387-92, (2007) ([PubMed](#)).

Kawakami, Nishimoto, Kitaura, Maeda-Yamamoto, Kato, Littman, Leitges, Rawlings, Kawakami: "Protein kinase C betaII regulates Akt phosphorylation on Ser-473 in a cell type- and stimulus-specific fashion." in: **The Journal of biological chemistry**, Vol. 279, Issue 46, pp. 47720-5, (2004) ([PubMed](#)).



Western Blotting

Image 1. The NIH/3T3 cell lysate was resolved onto 10% SDS-PAGE, transferred onto NC membrane, and followed by an immunoblotting with GSK3A polyclonal antibody at 1 : 500 (lane 1). Lane 2 was pre-incubated with immunizing peptide.