

Datasheet for ABIN3031094
anti-GSK3 beta antibody (AA 30-59)[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	GSK3 beta (GSK3b)
Binding Specificity:	AA 30-59
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSK3 beta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 30-59 from the mouse protein was used as the immunogen for this Gsk3b antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Human, Rat
Purification:	Antigen affinity purified

Target Details

Target:	GSK3 beta (GSK3b)
Alternative Name:	Gsk3b (GSK3b Products)
Background:	Participates in the Wnt signaling pathway. Implicated in the hormonal control of several

Target Details

regulatory proteins including glycogen synthase, MYB and the transcription factor JUN. Phosphorylates JUN at sites proximal to its DNA-binding domain, thereby reducing its affinity for DNA. May phosphorylate MUC1 and decrease the interaction of MUC1 with CTNNB1/beta-catenin. Phosphorylates CTNNB1/beta-catenin. Phosphorylates SNAI1 (By similarity).

UniProt: [Q9WV60](#)

Pathways: [WNT Signaling](#), [Hedgehog Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Cellular Glucan Metabolic Process](#), [ER-Nucleus Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#), [Autophagy](#), [BCR Signaling](#), [Warburg Effect](#)

Application Details

Application Notes: Titration of the Gsk3b antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

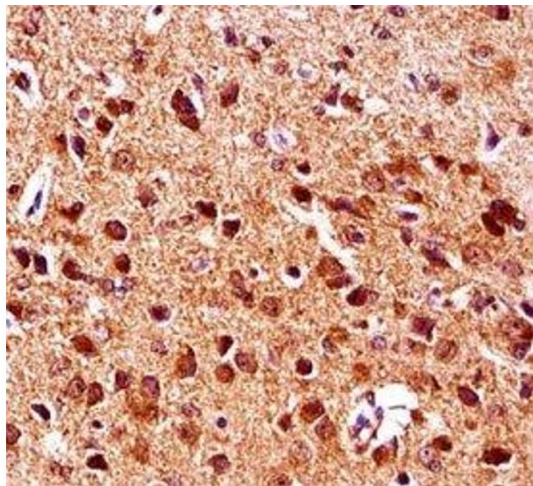
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

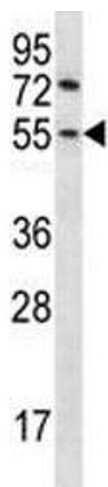
Storage: -20 °C

Storage Comment: Aliquot the Gsk3b antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



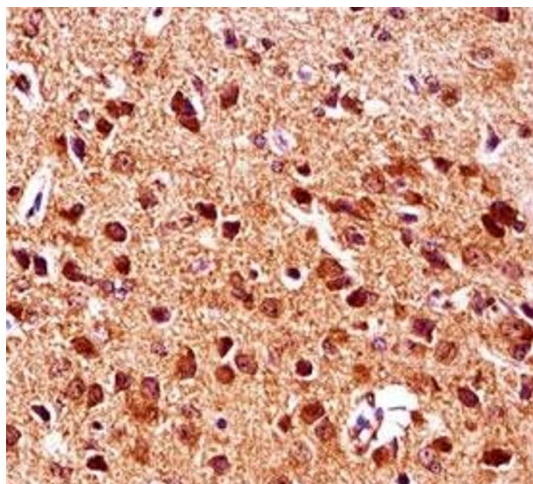
Immunohistochemistry

Image 1. Gsk3b antibody immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue.



Western Blotting

Image 2. Gsk3b antibody western blot analysis in mouse NIH3T3 lysate. Predicted molecular weight ~50 kDa.



Immunohistochemistry

Image 3. Gsk3b antibody immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue.