

Datasheet for ABIN6243417  
**anti-GSK3 beta antibody (N-Term)**

2 Images

1 Publication

[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	GSK3 beta (GSK3b)
Binding Specificity:	AA 4-34, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSK3 beta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This GSK3 beta (GSK3B) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-34 amino acids from the N-terminal region of human GSK3 beta (GSK3B).
Clone:	RB03816
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	GSK3 beta (GSK3b)
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## Target Details

Alternative Name:	GSK3 beta (GSK3B) ( <a href="#">GSK3b Products</a> )
Background:	GSK3B, a member of the Ser/Thr protein kinase family, participates in the Wnt signaling pathway. It is implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN. GSK3B phosphorylates JUN at sites proximal to its DNA-binding domain, thereby reducing its affinity for DNA. The protein is inhibited when phosphorylated by AKT1 or ILK1. Expressed is detected in testis, thymus, prostate and ovary, and weakly in lung, brain and kidney.
Molecular Weight:	46744
NCBI Accession:	<a href="#">NP_001139628</a> , <a href="#">NP_002084</a>
UniProt:	<a href="#">P49841</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Hedgehog Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Cellular Glucan Metabolic Process</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Hepatitis C</a> , <a href="#">Autophagy</a> , <a href="#">BCR Signaling</a> , <a href="#">Warburg Effect</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

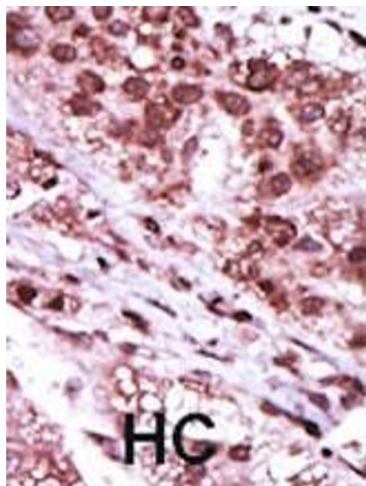
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months

## Publications

Product cited in:	Martinez-Outschoorn, Trimmer, Lin, Whitaker-Menezes, Chiavarina, Zhou, Wang, Pavlides, Martinez-Cantarin, Capozza, Witkiewicz, Flomenberg, Howell, Pestell, Caro, Lisanti, Sotgia: "Autophagy in cancer associated fibroblasts promotes tumor cell survival: Role of hypoxia, HIF1
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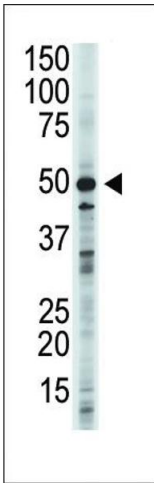
induction and NFκB activation in the tumor stromal microenvironment." in: **Cell cycle (Georgetown, Tex.)**, Vol. 9, Issue 17, pp. 3515-33, (2010) ([PubMed](#)).

Reiling: "An American College of Surgeons response to the ODHS survey." in: **Ohio medicine : journal of the Ohio State Medical Association**, Vol. 84, Issue 7, pp. 576-8, (1988) ([PubMed](#)).



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



**Western Blotting**

**Image 2.** The anti-GSK3B Pab (ABIN6243417 and ABIN6579036) is used in Western blot to detect GSK3B in 293 cell lysate.