

Datasheet for ABIN969459  
**anti-WNT10B antibody**[Go to Product page](#)

3 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	WNT10B
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This WNT10B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human WNT10B expressed in E. coli.
Clone:	5A7
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	WNT10B
Alternative Name:	WNT10B ( <a href="#">WNT10B Products</a> )
Background:	Description: WNT10B: wingless-type MMTV integration site family, member 10B. The WNT family consists of structurally related secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. WNT10B is a member of the WNT gene family. It

## Target Details

may be involved in breast cancer, and its protein signaling is likely a molecular switch that governs adipogenesis. This protein is 96 % identical to the mouse Wnt10B protein at the amino acid level. The WNT10B gene is clustered with another family member, WNT1, in the chromosome 12q13 region.

Aliases: SHFM6, WNT-12

Molecular Weight: 43 kDa

Gene ID: 7480

HGNC: 7480

Pathways: [WNT Signaling](#), [Skeletal Muscle Fiber Development](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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

Storage Comment: 4°C, -20°C for long term storage

## Publications

Product cited in: Gertych, Oh, Wawrowsky, Weisenberger, Tajbakhsh: "3-D DNA methylation phenotypes correlate with cytotoxicity levels in prostate and liver cancer cell models." in: **BMC pharmacology & toxicology**, Vol. 14, pp. 11, (2013) ([PubMed](#)).

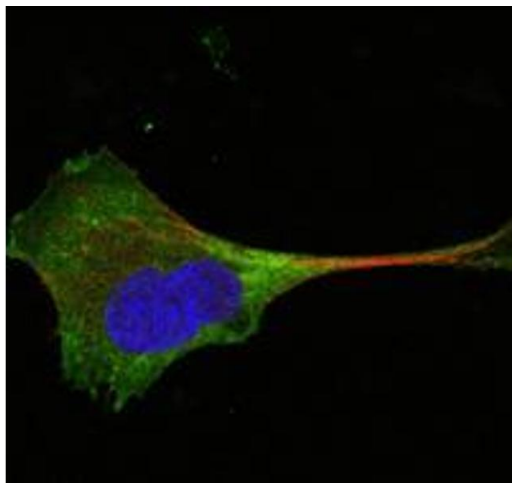
Tajbakhsh: "Covisualization of methylcytosine, global DNA, and protein biomarkers for In Situ 3D DNA methylation phenotyping of stem cells." in: **Methods in molecular biology (Clifton, N.J.)**, Vol. 1052, pp. 77-88, (2013) ([PubMed](#)).

Fukuda, Ichiyanagi, Yamada, Go, Udono, Wada, Maeda, Soejima, Saitou, Ito, Sasaki: "Regional DNA methylation differences between humans and chimpanzees are associated with genetic changes, transcriptional divergence and disease genes." in: **Journal of human genetics**, Vol. 58, Issue 7, pp. 446-54, (2013) ([PubMed](#)).

Kurita, Arai, Nakamoto, Kato, Niwa: "Determination of DNA methylation using electrochemiluminescence with surface accumulable coreactant." in: **Analytical chemistry**, Vol. 84, Issue 4, pp. 1799-803, (2012) ([PubMed](#)).

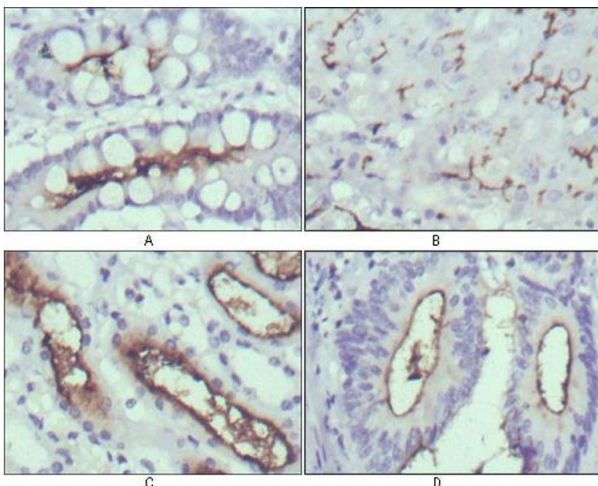
Kurita, Niwa: "DNA methylation analysis triggered by bulge specific immuno-recognition." in: **Analytical chemistry**, Vol. 84, Issue 17, pp. 7533-8, (2012) ([PubMed](#)).

## Images



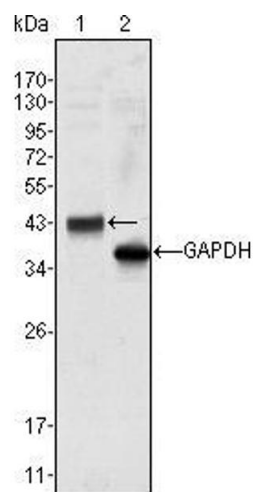
### Immunofluorescence

**Image 1.** Confocal immunofluorescence analysis of PANC-1 cells using WNT10B mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded human normal stomach (A), normal liver (B), normal kidney (C) and rectum cancer tissues (D) using WNT10B mouse mAb with DAB staining.



Western Blotting

**Image 3.** Western blot analysis using WNT10B mouse mAb against Hela cell lysate (1).