

Datasheet for ABIN635167  
**anti-INSIG1 antibody (Middle Region)**



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1 Image

## Overview

Quantity:	100 µL
Target:	INSIG1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This INSIG1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	INSIG1 antibody was raised using the middle region of INSIG1 corresponding to a region with amino acids WWPPCCGTASAVIGLLYPCIDRHLGEPHKFKREWSSVMRCVAVFVGINH
Specificity:	INSIG1 antibody was raised against the middle region of INSIG1
Purification:	Affinity purified

## Target Details

Target:	INSIG1
Alternative Name:	INSIG1 ( <a href="#">INSIG1 Products</a> )
Background:	Oxysterols regulate cholesterol homeostasis through the liver X receptor (LXR)- and sterol regulatory element-binding protein (SREBP)-mediated signaling pathways. This gene is an insulin-induced gene. INSIG1 is an endoplasmic reticulum (ER) membrane protein that plays a

## Target Details

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critical role in regulating cholesterol concentrations in cells. INSIG1 binds to the sterol-sensing domains of SREBP cleavage-activating protein (SCAP) and HMG CoA reductase, and is essential for the sterol-mediated trafficking of the two proteins.

Molecular Weight: 25 kDa (MW of target protein)

Pathways: [ER-Nucleus Signaling](#)

## Application Details

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Application Notes: WB: 1 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: INSIG1 Blocking Peptide, catalog no. 33R-10042, is also available for use as a blocking control in assays to test for specificity of this INSIG1 antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of INSIG1 antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Western Blotting

**Image 1.** INSIG1 antibody used at 1 ug/ml to detect target protein.