

Datasheet for ABIN635167

anti-INSIG1 antibody (Middle Region)





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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 WWVPPCCGTASAVIGLLYPCIDRHLGEPHKFKREWSSVMRCVAVFVGINH	
Specificity:	INSIG1 antibody was raised against the middle region of INSIG1	
Purification:	Affinity purified	
Target Details		
Target:	INSIG1	
Alternative Name:	INSIG1 (INSIG1 Products)	
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

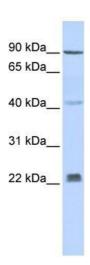
	critical role in regulating cholesterol concentrations in cells. INSIG1 binds to the sterol-sensing
	domains of SREBP cleavage-activating protein (SCAP) and HMG CoA reductase, and is
	essential for the sterol-mediated trafficking of the two proteins.
Molecular Weight:	25 kDa (MW of target protein)
Pathways:	ER-Nucleus Signaling

Application Details

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

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.