

# Immunotag™ INSIG1 Antibody

Antibody Specification	
Catalog No.	ITA3066
Product Description	Immunotag™ INSIG1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	INSIG1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human INSIG1.
Specificity	INSIG1 antibody detects endogenous levels of INSIG1.
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	INSIG1
Accession No.	O15503
Alternate Names	CL 6; CL6; INSI1_HUMAN; INSIG 1; INSIG 1 membrane protein; INSIG-1; insig1; INSIG1 membrane protein; Insulin induced gene 1; Insulin induced gene 1 protein; Insulin-induced gene 1 protein; MGC1405;

## Antibody Specification

Description	Mediates feedback control of cholesterol synthesis by controlling SCAP and HMGCR. Functions by blocking the processing of sterol regulatory element-binding proteins (SREBPs). Capable of retaining the SCAP-SREBF2 complex in the ER thus preventing it from escorting SREBPs to the Golgi. Initiates the sterol-mediated ubiquitin-mediated endoplasmic reticulum-associated degradation (ERAD) of HMGCR via recruitment of the reductase to the ubiquitin ligase, AMFR/gp78. May play a role in growth and differentiation of tissues involved in metabolic control. May play a regulatory role during G0/G1 transition of cell growth.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	28-31; 66-70 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.