G-Biosciences Image not found or type unknown

Immunotag™ Phospho-SNAI1 (Ser246) Antibody

Antibody Specification

Catalog No.	ITA0804
Product Description	Immunotag™ Phospho-SNAI1 (Ser246) 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	Phospho-SNAI1 (Ser246)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human SNAI1 around the phosphorylation site of Serine 246
Specificity	Phospho-SNAI1 (Ser246) Antibody detects endogenous levels of SNAI1 only when phosphorylated at Serine 246
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
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	SNAI1
Accession No.	O95863

Antibody Specification

Alternate Names	dJ710H13.1; Protein sna; Protein snail homolog 1; Protein snail homolog; SLUGH2; SNA; Sna protein; SNAH; SNAI; snai1; SNAI1_HUMAN; Snail 1 homolog; Snail 1 zinc finger protein; SNAIL; Snail homolog 1 (Drosophila); SNAIL, Drosophila, homolog of, 1; SNAIL1; Zinc finger protein SNAI1;
Description	Involved in induction of the epithelial to mesenchymal transition (EMT), formation and maintenance of embryonic mesoderm, growth arrest, survival and cell migration. Binds to 3 E-boxes of the E-cadherin/CDH1 gene promoter and to the promoters of CLDN7 and KRT8 and, in association with histone demethylase KDM1A which it recruits to the promoters, causes a decrease in dimethylated H3K4 levels and represses transcription. During EMT, involved with LOXL2 in negatively regulating pericentromeric heterochromatin transcription (By similarity). SNAI1 recruits LOXL2 to pericentromeric regions to oxidize histone H3 and repress transcription which leads to release of heterochromatin component CBX5/HP1A, enabling chromatin reorganization and acquisition of mesenchymal traits (By similarity). Associates with EGR1 and SP1 to mediate tetradecanoyl phorbol acetate (TPA)-induced up-regulation of CDKN2B, possibly by binding to the CDKN2B promoter region 5'-TCACA-3. In addition, may also activate the CDKN2B promoter by itself.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	29kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.