SNAI1 (Phospho-Ser246) Antibody

Catalog No: #11709

Package Size: #11709-1 50ul #11709-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

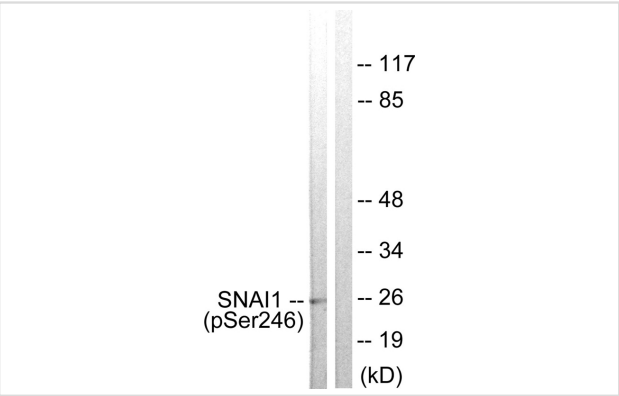
Product Name	SNAI1 (Phospho-Ser246) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IF
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of SNAI1 only when phosphorylated at serine 246.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 246(T-F-S(p)-R-M) derived from Human SNAI1.
Target Name	SNAI1
Modification	Phospho
Other Names	SNAH; SNAI; Sna; Snail;
Accession No.	Swiss-Prot#: O95863; NCBI Gene#: 6615; NCBI Protein#: NP_005976.2.
Uniprot	O95863
GeneID	6615;
SDS-PAGE MW	29kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

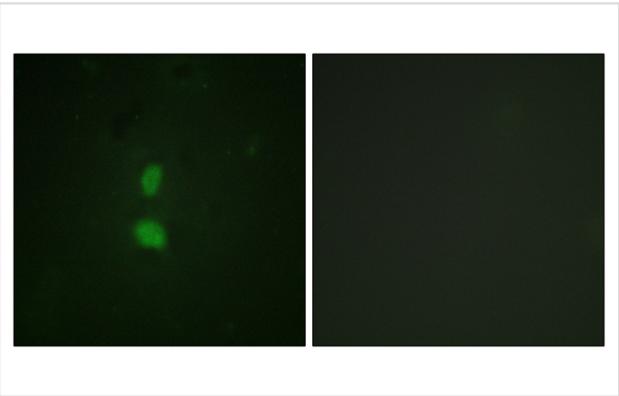
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from HT29 cells using SNAI1 (Phospho-Ser246) Antibody #11709.The lane on the right is treated with the antigen-specific peptide.



Immunofluorescence staining of methanol-fixed HuvEc cells using SNAI1 (Phospho-Ser246) Antibody #11709.

Background

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. 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.

Okubo T., Cancer Res. 61:1338-1346(2001).
Twigg S.R., Hum. Genet. 105:320-326(1999).
Paznekas W.A., Genomics 62:42-49(1999).

Note: This product is for in vitro research use only