Datasheet for ABIN969409

anti-SNAIL antibody

3 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	SNAIL (SNAI1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SNAIL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human SNAI1 expressed in E. coli.
Clone:	6D2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	SNAIL (SNAI1)
Alternative Name:	SNAI1 (SNAI1 Products)
Background:	Description: Snail is a zinc-finger transcription factor that can repress E-cadherin transcription. Downregulation of E-cadherin is associated with epithelial-mesenchymal transition during embryonic development, a process also exploited by invasive cancer cells . Indeed, loss of E-cadherin expression is correlated with the invasive properties of some tumors and there is a

Target Details

	considerable inverse correlation between Snail and E-cadherin mRNA levels in epithelial tumor cell lines . In addition, Snail blocks the cell cycle and confers resistance to cell death . Phosphorylation of Snail by GSK-3 and PAK1 regulates its stability, cellular localization and function .Tissue specificity: Expressed in a variety of tissues with the highest expression in kidney. Aliases: SNA, SNAH, SLUGH2, dJ710H13.1, SNAI1
Molecular Weight:	29 kDa
Gene ID:	6615
HGNC:	6615
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000
Restrictions:	For Research Use only

Handling

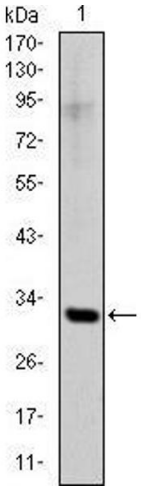
Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

Product cited in:	Wanami, Chen, Peiró, García de Herreros, Bachelder: "Vascular endothelial growth factor-A stimulates Snail expression in breast tumor cells: implications for tumor progression." in: **Experimental cell research**, Vol. 314, Issue 13, pp. 2448-53, (2008) (PubMed). Herranz, Pasini, Díaz, Francí, Gutierrez, Dave, Escrivà, Hernandez-Muñoz, Di Croce, Helin, García de Herreros, Peiró: "Polycomb complex 2 is required for E-cadherin repression by the Snail1

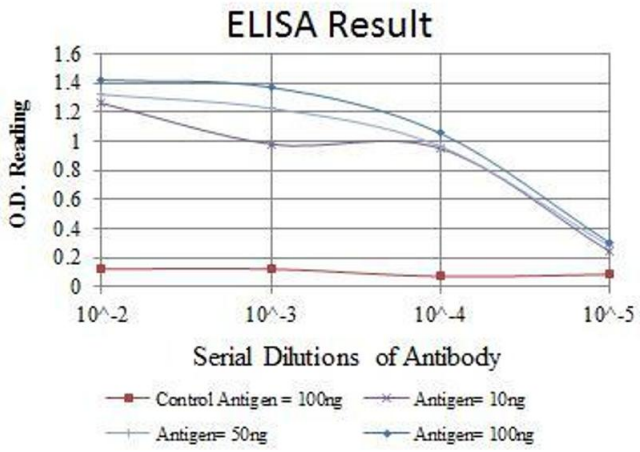
transcription factor." in: **Molecular and cellular biology**, Vol. 28, Issue 15, pp. 4772-81, (2008) (PubMed).

Images



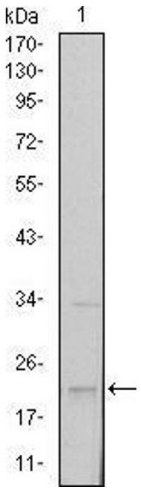
Western Blotting

Image 1. Western blot analysis using SNAI1 mAb against human SNAI1 (AA: 2-264) recombinant protein. (Expected MW is 31.3 kDa)



ELISA

Image 2. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Western Blotting

Image 3. Western blot analysis using SNAI1 mouse mAb against NTERA-2 cell lysate.