Datasheet for ABIN2777858

anti-SNAIL antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	SNAIL (SNAI1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SNAIL antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SNAI1
Sequence:	MPRSFLVRKP SDPNRKPNYS ELQDSNPEFT FQQPYDQAHL LAAIPPPEIL
Predicted Reactivity:	Guinea Pig: 100%, Human: 100%, Mouse: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SNAI1. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	SNAIL (SNAI1)
Alternative Name:	SNAI1 (SNAI1 Products)

Target Details

Background:	The Drosophila embryonic protein snail is a zinc finger transcriptional repressor which downregulates the expression of ectodermal genes within the mesoderm. The nuclear protein encoded by this gene is structurally similar to the Drosophila snail protein, and is also thought to be critical for mesoderm formation in the developing embryo. Alias Symbols: SNA, SNAH, SNAIL, SLUGH2, SNAIL1, dJ710H13.1 Protein Interaction Partner: MTUS2, KRT31, TRIM23, ACTN2, MID2, NOTCH2NL, KRTAP10-3, KRT40, FBXL5, EZH2, RNF2, RING1, LATS2, UBC, BTRC, TP53, MDM2, GSK3B, HDAC1, CHD4, KDM1A, HDAC3, HDAC2, RCOR1, FBXL14, NOTCH1, HIST1H3A, EGR1, AJUBA, Sin3a, HOXD4, SUZ12, CTDSP1, CTDSPL, CTDSP2, QRIC Protein Size: 264
Molecular Weight:	29 kDa
Gene ID:	6615
NCBI Accession:	NM_005985, NP_005976
UniProt:	O95863
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 264 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

He, Lu, Hu, Zhang, Qin, Wang, Xing, Xi, Wang: "The Wnt11 Signaling Pathway in Potential Cellular EMT and Osteochondral Differentiation Progression in Nephrolithiasis Formation." in: **International journal of molecular sciences**, Vol. 16, Issue 7, pp. 16313-29, (2016) (PubMed).

Sihto, Lundin, Lundin, Lehtimäki, Ristimäki, Holli, Sailas, Kataja, Turpeenniemi-Hujanen, Isola, Heikkilä, Joensuu: "Breast cancer biological subtypes and protein expression predict for the preferential distant metastasis sites: a nationwide cohort study." in: **Breast cancer research : BCR**, Vol. 13, Issue 5, pp. R87, (2012) (PubMed).

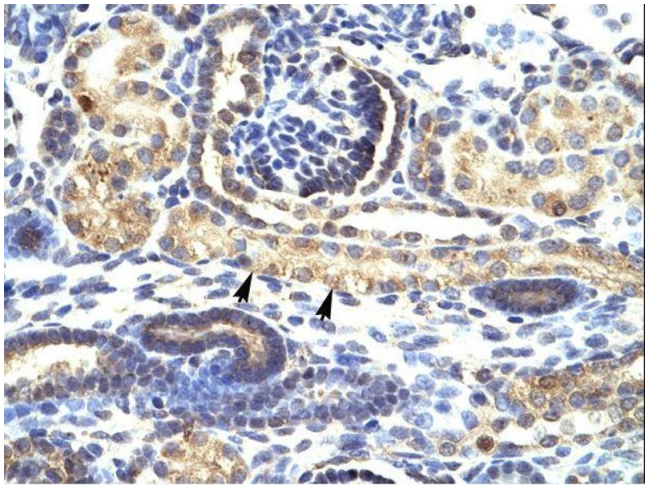
Surati, Robinson, Nandi, Faoro, Demchuk, Rolle, Kanteti, Ferguson, Hasina, Gangadhar, Salama, Arif, Kirchner, Mendonca, Campbell, Limvorasak, Villaflor, Hensing, Krausz, Vokes, Husain, Ferguson et al.: "Proteomic characterization of non-small cell lung cancer in a comprehensive translational thoracic oncology database. ..." in: **Journal of clinical bioinformatics**, Vol. 1, Issue 8, pp. 1-11, (2011) (PubMed).

Wang, Quah, Dong, Manser, Tang, Zeng: "PRL-3 down-regulates PTEN expression and signals through PI3K to promote epithelial-mesenchymal transition." in: **Cancer research**, Vol. 67, Issue 7, pp. 2922-6, (2007) (PubMed).

SDS-PAGE

Image 1. WB Suggested Anti-SNAI1 Antibody Titration: 1ug/ml

Positive Control: 721_B cell lysate

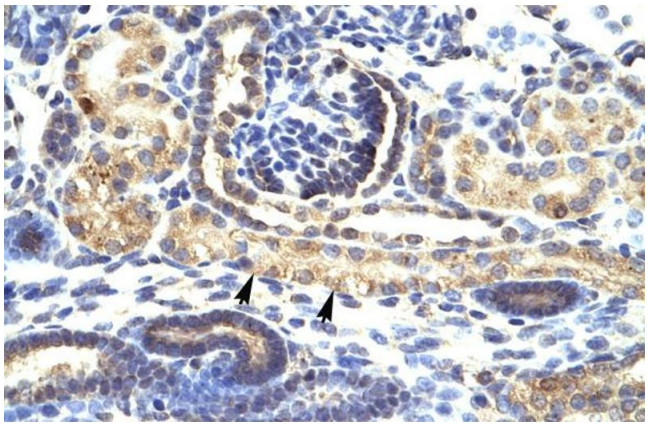


Immunohistochemistry

Image 2. IHC Suggested Anti-SNAI1 Antibody Titration: 4-8ug/ml

Tissue: Human Kidney, epithelial cells of renal tube (indicated with arrows)

Magnification:400X



Immunohistochemistry

Image 3. Human kidney

Please check the product details page for more images. Overall 7 images are available for ABIN2777858.