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Rabbit Anti-SNAI2 antibody

SL1382R

Product Name:	SNAI2
Chinese Name:	锌指转录因子Slug抗体
Alias:	SLUG; Neural crest transcription factor Slug; Protein snail homolog 2; Slug (chicken homolog) zinc finger protein; Slug homolog zinc finger protein; Slug zinc finger protein; SLUGH 1; SLUGH; SLUGH1; SNAI 2; SNAI-2; SNAI2_HUMAN; Snail 2; Snail homolog 2; Snail2; Snail-2; WS 2D; WS2D; Zinc finger protein SLUG; Zinc finger protein SNAI2.
文献引用 PubMed :	**Specific References(3)**|SL1382R has been referenced in 3 publications. **[IF=3.02]**Kong, Lingxin, et al. "Overexpression of SDF-1 activates the NF-κB pathway to induce epithelial to mesenchymal transition and cancer stem cell-like phenotypes of breast cancer cells." International Journal of Oncology.**other;Human**. PubMed:26782945 **[IF=2.31]**Liu, Baolin, et al. "Overexpression of Livin promotes migration and invasion of colorectal cancer cells by induction of epithelial–mesenchymal transition via NF-κB activation." OncoTargets and Therapy 9 (2016): 1011-1021.**WB;Human**. PubMed:27013894 **[IF=5.02]**Bai, J. W., et al. "The zinc-finger transcriptional factor Slug transcriptionally downregulates ERα by recruiting lysine-specific demethylase 1 in human breast cancer." Oncogenesis 6.5 (2017): e330.**IHC-P;Human**. PubMed:28481366
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-

	500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	30kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Slug:5-120/268
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the Snail family of C2H2-type zinc finger transcription factors. The encoded protein acts as a transcriptional repressor that binds to E-box motifs and is also likely to repress E-cadherin transcription in breast carcinoma. This protein is involved in epithelial-mesenchymal transitions and has antiapoptotic activity. Mutations in this gene may be associated with sporatic cases of neural tube defects. [provided by RefSeq, Jul 2008]. **Function:** Transcriptional repressor. Involved in the generation and migration of neural crest cells. Plays a role in mediating RAF1-induced transcriptional repression of the TJ protein, occluding (OCLN) and subsequent oncogenic transformation of epithelial cells. **Subunit:** Interacts (via SNAG domain) with LIMD1 (via LIM domains), WTIP (via LIM domains) and AJUBA (via LIM domains). **Subcellular Location:** Nucleus. Cytoplasm. Note=Observed in discrete foci in interphase nuclei. These nuclear foci do not overlap with the nucleoli, the SP100 and the HP1 heterochromatin or the coiled body, suggesting SNAI2 is associated with active transcription or active splicing regions. **Tissue Specificity:** Expressed in most adult human tissues, including spleen, thymus, prostate, testis, ovary, small intestine, colon, heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Not detected in peripheral blood leukocyte. Expressed in the dermis and in all layers of the epidermis, with high levels of expression in the basal layers (at protein level). Expressed in osteoblasts (at protein level). Expressed in mesenchymal stem cells (at protein level). Expressed in breast tumor cells (at protein level).

Post-translational modifications:
GSK3B-mediated phosphorylation results in cytoplasmic localization and degradation.

DISEASE:
Defects in SNAI2 are the cause of Waardenburg syndrome type 2D (WS2D) . WS2 is a genetically heterogeneous, autosomal dominant disorder characterized by sensorineural deafness, pigmentary disturbances, and absence of dystopia canthorum. The frequency of deafness is higher in WS2 than in WS1

Similarity:
Belongs to the snail C2H2-type zinc-finger protein family.
Contains 5 C2H2-type zinc fingers.

SWISS:
O43623

Gene ID:
6591

Database links:

Entrez Gene: 6591 Human

Entrez Gene: 20583 Mouse

Entrez Gene: 641345 Pig

Entrez Gene: 25554 Rat

Entrez Gene: 432368 Chicken

Entrez Gene: 520631 Cow

Omim: 602150 Human

SwissProt: Q3MHQ4 Cow

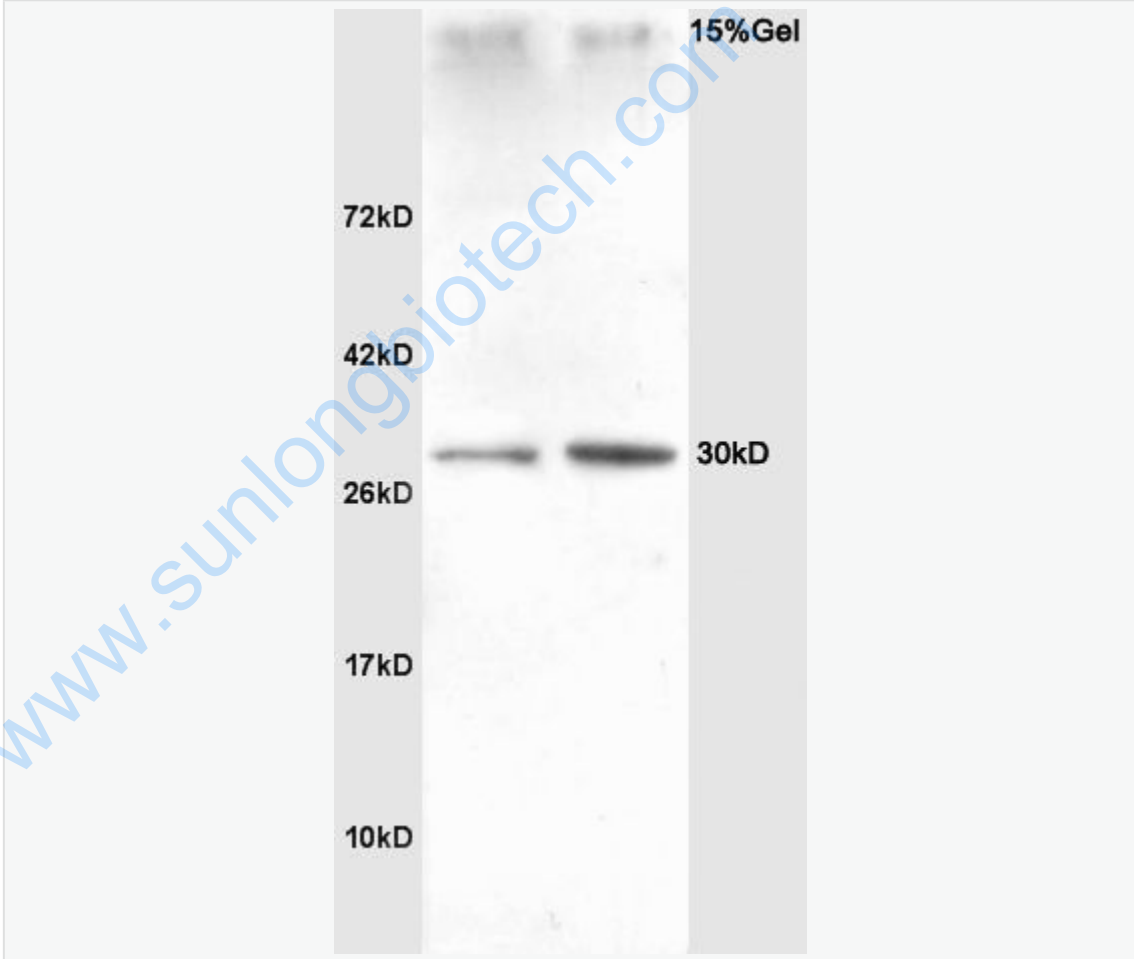
SwissProt: O43623 Human

SwissProt: P97469 Mouse

SwissProt: Q3UZ96 Mouse

SwissProt: O08954 Rat

Unigene: 360174 Human

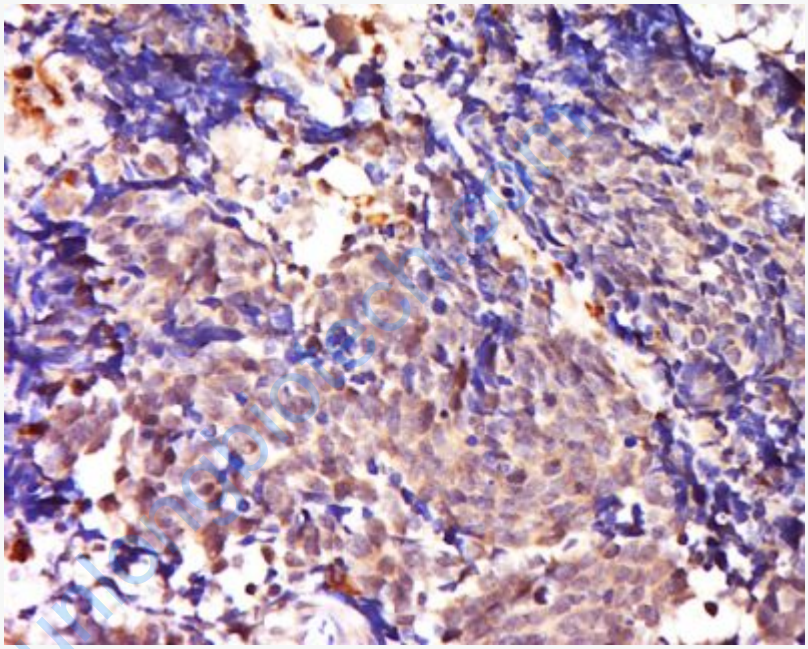
	Unigene: 4272 Mouse Unigene: 43117 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. transcriptional regulatory factor（Transcriptin Regulators） 锌指转录因子Slug主要用于消化系统Tumour转移方面的研究。
Picture:	 Sample: Lane1: Heart (Rat) Lysate at 30 ug Lane2: Liver (Rat) Lysate at 30 ug

Primary: Anti-SNAI2/SLUG (SL1382R) at 1:200 dilution;

Secondary: HRP conjugated Goat Anti-Rabbit IgG(SL1382R) at 1: 3000 dilution;

Predicted band size : 30kD

Observed band size : 30kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-SNAI2 Polyclonal Antibody, Unconjugated(SL1382R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining