

Product datasheet for **AP22444PU-N**

SNAIL (SNAI1) (N-term) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Peptide ELISA: Limit Dilution: 1/128000. Western Blot: 0.1-0.3 µg/ml. Approx 28kDa band observed in lysates of cell line A431 and in Rat Kidney lysates (calculated MW of 29.1kDa according to Human NP_005976.2 and Rat NP_446257.1). Immunohistochemistry on Paraffin Sections: 5 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the N Terminus of the protein sequence according to NP_005976.2.
Specificity:	Snail homolog 1 / SNAI1
Formulation:	Tris saline, pH~7.3 with 0.02% Sodium Azide and 0.5% BSA State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	snail family transcriptional repressor 1
Database Link:	Entrez Gene 6615 Human O95863



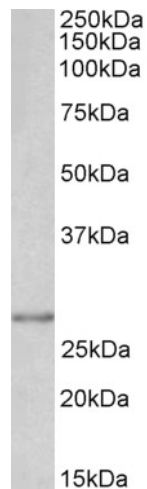
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Background:

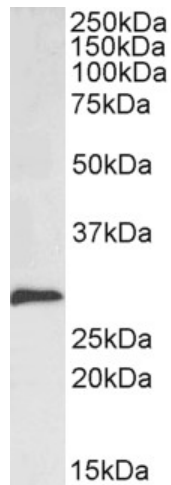
Zinc finger protein SNAI1 (SNAIL) is a zinc finger transcriptional repressor which down regulates the expression of ectodermal gene within the mesoderm and thus functions to form the mesoderm and neural crest. It is reported that SNAI1 acts as an important factor of tumor invasion as evidenced by its role in E-cadherin down-regulation and induction of epithelial-mesenchymal transition (EMT). In human breast cancer, the expression of SNAI1 and/or the homologous SNAI2 (Slug) has been associated with E-cadherin repression, local or distant metastasis, tumor recurrence, or poor prognosis in different tumor series. It is also reported that Snail 1 protein in the stroma may be a new putative prognosis marker for colon tumors. In recent studies SNAI1 is found to be potential target for proteasome degradation by hypoxia-controlled FBXL14 ubiquitin ligase targets.

Synonyms:

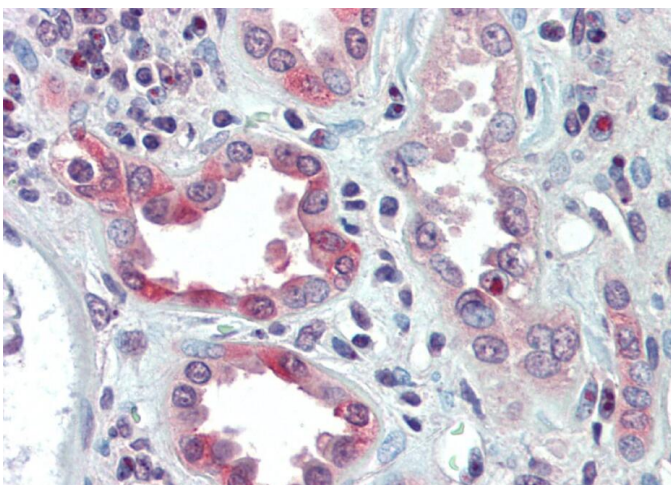
SNAH, Protein snail homolog 1

Product images:

AP22444PU-N (0.1 µg/ml) staining of A431 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AP22444PU-N (0.1 µg/ml) staining of Rat Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AP22444PU-N (5ug/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.