

## Product datasheet for **AM06589SU-N**

### SNAIL (SNAI1) Mouse Monoclonal Antibody [Clone ID: 6D2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	6D2
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human SNAI1 expressed in E. Coli.
Specificity:	Recognizes SNAI1
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
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.
Predicted Protein Size:	29 kDa
Gene Name:	snail family transcriptional repressor 1
Database Link:	<a href="#">Entrez Gene 6615 Human</a> <a href="#">O95863</a>



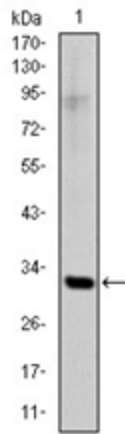
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**Background:**

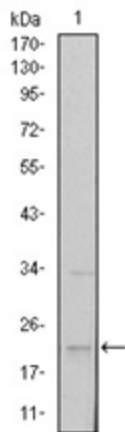
Snail is a zinc-finger transcription factor that can repress E-cadherin transcription. Downregulation of E-cadherin is associated with epithelial-mesenchymal transition during embryonic development, a process also exploited by invasive cancer cells. Indeed, loss of E-cadherin expression is correlated with the invasive properties of some tumors and there is a 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.

**Synonyms:**

SNAH, Protein snail homolog 1

**Product images:**


Western blot analysis using SNAI1 antibody Cat.-No AM06589SU-N against human SNAI1 (AA: 2-264) recombinant protein (Expected MW is 31.3 kDa)



Western blot analysis using SNAI1 antibody Cat.-No AM06589SU-N against NTERA-2 cell lysate.

