

Mouse Monoclonal Antibody to SNAI1

Catalogue Number sAP-0497

Target Molecule **Name:** SNAI1

Aliases: SNA; SNAH; SLUGH2; dj710H13.1; SNAI1

MW: 29kDa

Entrez Gene ID: 6615

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 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.

Immunogen Purified recombinant fragment of human SNAI1 expressed in E. Coli.

Reactive Species Human

Clone MM6D2;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. Exp Cell Res. 2008 Aug 1;314(13):2448-53. ; 2. Mol Cell Biol. 2008 Aug;28(15):4772-81.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**