Human Snail antibody

Catalog Number: ATGA0288

PRODUCT INFORMATION

Catalog number
ATGA0288

Clone No.
AT2D5

Product type
Monoclonal Antibody

UnitProt No.
O95863

NCBI Accession No.
NP_005976

Alternative Names
Snail homolog 1, dJ710H13.1, SLuGH2, SNA, SNAH, SNAIL, SNAIL1

PRODUCT SPECIFICATION

Antibody Host
Mouse

Reacts With
Human

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen
Recombinant human SNAI1 (1-264aa) purified from E. coli

Isotype
IgG2b kappa

Purification Note
By protein-A affinity chromatography

Application
ELISA, WB

Usage
The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

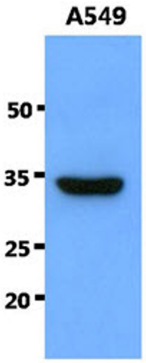
SNAI1, also known as Snail homolog 1, is involved in the epithelial to mesenchymal transition (EMT), formation and maintenance of embryonic mesoderm, growth arrest, survival and cell migration. This protein binds to 3 E-boxes of the E-cadherin gene promoter and represses its transcription. Both SNAI1 and SLUG belong to the snail C2H2-type zinc-finger protein family. SLUG is a transcriptional repressor, involved in the generation and migration of neural crest cells. SNAI1 is expressed in mesenchymal, epithelial cell lines and highest expression in kidney.

General References

Batlle. E., et al. (2000) Nat Cell Biol 2: 84-89.
Yook. J.I., et al. (2005) J Biol Chem 280: 11740-11748.
Twigg. S.R. and Wilkie. A.O.M. (1999) Hum Genet 105: 320-326.

DATA

Western blot analysis (WB)



The cell lysate of A549 (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SNAI1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.