

SNAI2 (SLUG) mouse monoclonal antibody

Catalog: MB4049

Host: Mouse

Reactivity: Human, Mouse, Rat

BackGround:

Slug (SNAI2) is a widely expressed transcriptional repressor and member of the Snail family of zinc finger transcription factors. Similar to the related Snail protein, Slug binds to the E-cadherin promoter region to repress transcription during development. The binding of Slug to integrin promoter sequences represses integrin expression and results in reduced cell adhesion. Down regulation of E-cadherin expression occurs during the epithelial-mesenchymal transition during embryonic development, a process also exploited by invasive cancer cells. The tumor suppressor protein p53 induces Slug expression in γ -irradiated cells; Slug protects damaged cells from apoptosis by repressing p53-induced transcription of the proapoptotic Bcl-2 family protein Puma. Deletion mutations in the corresponding Slug gene are associated with the pigmentation disorders Waardenburg Syndrome and Piebaldism, while a genetic duplication resulting in Slug overexpression is associated with a collection of congenital heart defects termed tetralogy of Fallot.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 30 kDa

Swiss-Prot:

O43623

Purification&Purity:

The antibody was affinity-purified from mouse ascites fluids or tissue culture supernatant by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB 1:2000, FLOW 1:100

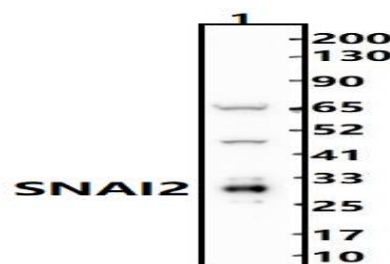
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

IgG1

DATA:



Western blot (WB) analysis of SNAI2 (SLUG) mouse monoclonal antibody at 1:1000 dilution

Lane1:U251 whole cell lysate(30ug)

Note:

For research use only, not for use in diagnostic procedure.

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