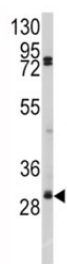


## SLUG Antibody (F47912)

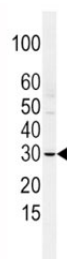
Catalog No.	Formulation	Size
F47912-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47912-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Predicted Reactivity</b>	Bovine, Mouse, Rat
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	O43623
<b>Applications</b>	Western Blot : 1:1000
<b>Limitations</b>	This SLUG antibody is available for research use only.



Western blot analysis of SLUG antibody and A2058 lysate. Predicted molecular weight ~ 30 kDa.



Western blot analysis of SLUG antibody and HCSMC lysate. Predicted molecular weight ~ 30 kDa.

## Description

SNAI2/SLUG is a transcriptional repressor that modulates both activator-dependent and basal transcription. Involved in the generation and migration of neural crest cells. Plays a role in mediating RAF1-induced transcriptional repression of the TJ protein, occludin (OCLN) and subsequent oncogenic transformation of epithelial cells (By similarity). Represses BRCA2 expression by binding to its E2-box-containing silencer and recruiting [CTBP1](#) and [HDAC1](#) in breast cells. In epidermal keratinocytes, binds to the E-box in [ITGA3](#) promoter and represses its transcription. Involved in the regulation of [ITGB1](#) and [ITGB4](#) expression and cell adhesion and proliferation in epidermal keratinocytes. Binds to E-box2 domain of BSG and activates its expression during TGFβ1-induced epithelial-mesenchymal transition (EMT) in hepatocytes. Represses [E-Cadherin](#)/CDH1 transcription via E-box elements. Involved in osteoblast maturation. Binds to RUNX2 and SOC9 promoters and may act as a positive and negative transcription regulator, respectively, in osteoblasts. Binds to CXCL12 promoter via E-box regions in mesenchymal stem cells and osteoblasts. Plays an essential role in TWIST1-induced EMT and its ability to promote invasion and metastasis. [UniProt]

## Application Notes

Titration of the SLUG antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this SLUG antibody.

## Storage

Aliquot the SLUG antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.