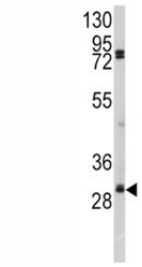
SLUG Antibody (F47912)

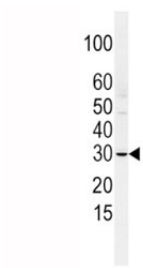
Catalog No.	Formulation	Size
F47912-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47912-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O43623
Applications	Western Blot : 1:1000
Limitations	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 recruitingÂ CTBP1Â andÂ HDAC1Â in breast cells. In epidermal keratinocytes, binds to the E-box inÂ ITGA3Â promoter and represses its transcription. Involved in the regulation ofÂ ITGB1Â andÂ ITGB4Â expression and cell adhesion and proliferation in epidermal keratinocytes. Binds to E-box2 domain of BSG and activates its expression during TGFB1-induced epithelial-mesenchymal transition (EMT) in hepatocytes. RepressesÂ 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 -20oC or colder. Avoid repeated freeze-thaw cycles.