

For Research Use Only

SCAI Polyclonal antibody, PBS Only

Catalog Number: 33449-1-PBS



Basic Information

Catalog Number:

33449-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38169

GenBank Accession Number:

NM_001144877.2

GeneID (NCBI):

286205

UNIPROT ID:

Q8N9R8

Full Name:

chromosome 9 open reading frame

126

Calculated MW:

70kDa, 606aa

Observed MW:

60 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

SCAI (suppressor of cancer cell invasion) is a conserved protein that regulates invasive cell migration through three-dimensional matrices. SCAI acts on the RhoA-Dia1 signal transduction pathway and localizes in the nucleus, where it binds and inhibits the myocardin-related transcription factor MAL by forming a ternary complex with serum response factor (SRF). Genome-wide expression analysis surprisingly reveals that one of the strongest upregulated genes after suppression of SCAI is beta1-integrin. Decreased levels of SCAI are tightly correlated with increased invasive cell migration, and SCAI is downregulated in several human tumours. Functional analysis of the beta1-integrin gene strongly argues that SCAI is a novel transcriptional cofactor that controls gene expression downstream of Dia1 to dictate changes in cell invasive behaviour (PMID: 19350017).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

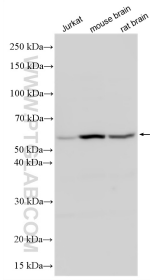
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33449-1-AP (SCAI antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33449-1-PBS in a different storage buffer formulation.