10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-SCAI (N-terminal region) Antibody

Catalog # AN1941

Product Information

Application	WB
Primary Accession	Q8C8N2
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	70275

Additional Information

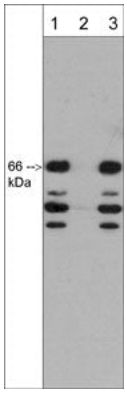
Gene ID	320271
Other Names	Protein SCAI, Suppressor of cancer cell invasion protein, Scai
Dilution	WB~~1:1000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-SCAI (N-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Cellular processes such as proliferation, differentiation, and cell migration are directed through the highly regulated control of transcriptional cofactors. During cell migration, serum response factor (SRF) is a central transcription factor that interacts with MAL to induce gene expression in response to actin assembly changes caused by the RhoA-mDia1 pathway. SCAI (suppressor of cancer cell invasion) is a highly conserved protein that is thought to regulate invasive cell migration and act on the RhoA–mDia1 signal transduction pathway. SCAI localizes in the nucleus, where it is thought to bind and inhibit MAL, by forming a ternary complex with SRF. Suppression of SCAI expression has been shown to upregulate β1-integrin expression, an intergrin that is also upregulated in several human malignancies. In addition, SCAI is downregulated in various human tumors, and decreased levels of SCAI correlate with increased invasive cell migration. Thus, SCAI is a transcriptional cofactor that may be important for regulating gene expression downstream of mDia1 to direct changes in cell motility.

Images

Western blot analysis of adult mouse brain. The blot was probed with rabbit polyclonal anti-SCAI (N-terminal region) antibody in the presence (lanes 2) or absence (lane 1) of SCAI (N-terminal region) blocking peptide



(SX3845), or unrelated peptide (lane 3).