

# BAIAP2L1 (C-14): sc-104100

## BACKGROUND

BAIAP2L1 (brain-specific angiogenesis inhibitor 1-associated protein 2-like 1), also known as IRTKS (insulin receptor tyrosine kinase substrate), is a widely expressed, 511 amino acid protein with predominant expression in liver, testes, bladder, lung and heart. It contains one IMD (IRSp53/MTSS1 homology) domain, one SH3 domain and a C-terminal region that is similar to a WH2 domain. Other proteins containing the IMD domain, such as IRSp53 and MTSS1, are known to participate in Actin filament bundling and induction of filopodia-like protrusions. BAIAP2L1 is closely related to IRSp53 but, unlike the filopodia-like protrusions caused by IRSp53, expression of BAIAP2L1 results in short Actin clusters around the periphery of the cell. Similar to IRSp53, BAIAP2L1 is a substrate for the Insulin receptor (insulin R) and undergoes tyrosine phosphorylation upon stimulation with Insulin. In addition, BAIAP2L1 is capable of binding Rac via its N-terminal IMD domain.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: BAIAP2L1 (human) mapping to 7q21.3; Baiap2l1 (mouse) mapping to 5 G2.

## SOURCE

BAIAP2L1 (C-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of BAIAP2L1 of human origin.

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-104100 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

BAIAP2L1 (C-14) is recommended for detection of BAIAP2L1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with family member BAIAP2L2.

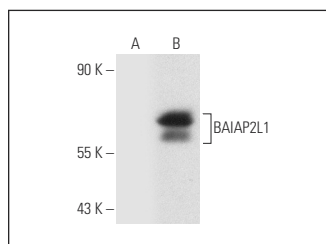
BAIAP2L1 (C-14) is also recommended for detection of BAIAP2L1 in additional species, including equine, canine, porcine and avian.

Suitable for use as control antibody for BAIAP2L1 siRNA (h): sc-89810, BAIAP2L1 siRNA (m): sc-105115, BAIAP2L1 shRNA Plasmid (h): sc-89810-SH, BAIAP2L1 shRNA Plasmid (m): sc-105115-SH, BAIAP2L1 shRNA (h) Lentiviral Particles: sc-89810-V and BAIAP2L1 shRNA (m) Lentiviral Particles: sc-105115-V.

Molecular Weight of BAIAP2L1: 60 kDa.

Positive Controls: BAIAP2L1 (h): 293T Lysate: sc-176902.

## DATA



BAIAP2L1 (C-14): sc-104100. Western blot analysis of BAIAP2L1 expression in non-transfected: sc-117752 (A) and human BAIAP2L1 transfected: sc-176902 (B) 293T whole cell lysates.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.



Try **BAIAP2L1 (F-9): sc-393838** or **BAIAP2L1 (A-14): sc-100680**, our highly recommended monoclonal alternatives to BAIAP2L1 (C-14).