

# BAIAP2L1 (G-15): sc-104101

## 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 (G-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-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-104101 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

BAIAP2L1 (G-15) 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), 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 (G-15) is also recommended for detection of BAIAP2L1 in additional species, including equine and canine.

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.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## 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.

**MONOS**  
Satisfaction  
Guaranteed

Try **BAIAP2L1 (F-9): sc-393838** or **BAIAP2L1 (A-14): sc-100680**, our highly recommended monoclonal alternatives to BAIAP2L1 (G-15).