

# IRSp53 Monoclonal antibody

Catalog Number: 68348-1-Ig

## Basic Information

**Catalog Number:**

68348-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG25161

**GenBank Accession Number:**

BC014020

**GeneID (NCBI):**

10458

**UNIPROT ID:**

Q9UQB8

**Full Name:**

BAI1-associated protein 2

**Calculated MW:**

61 kDa

**Observed MW:**

53 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1D4G1

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, Mouse, Rat, Rabbit

**Positive Controls:**

WB : rabbit brain tissue, LNCaP cells, rabbit cerebellum tissue, rat brain tissue, mouse brain tissue

## Background Information

IRSp53 (also known as BAIAP2) is a multi-domain adaptor protein that originally identified as a 58/53-kDa substrate of insulin-receptor kinase in the hamster (PMID: 10332026). As a BAI1-binding protein, IRSp53 plays an important role in linking between membrane and cytoskeleton in the process of neuronal growth (PMID: 10343108). IRSp53 is necessary for Cdc42-mediated reorganization of the actin cytoskeleton and for Rac1-mediated membrane ruffling. Alternatively spliced isoforms of IRSp53 exist. IRSp53 has been implicated in several psychiatric disorders, including autism spectrum disorders (ASDs), schizophrenia, and attention deficit/hyperactivity disorder (ADHD) (PMID: 26275848).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

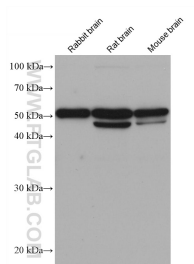
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68348-1-Ig (IRSp53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.