

# IRSp53 Monoclonal antibody, PBS Only

Catalog Number: 68348-1-PBS

## Basic Information

## Catalog Number:

68348-1-PBS

## Size:

1 mg/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

## Applications

## Tested Applications:

WB, Indirect ELISA

## Species Specificity:

Human, Mouse, Rat, Rabbit

## 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 -80°C.

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

## Storage Buffer:

PBS Only

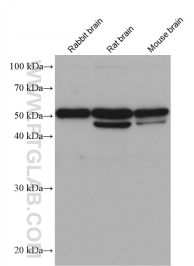
For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 68348-1-PBS in a different storage buffer formulation.