

## IRSp53 Monoclonal antibody

Catalog Number: 68348-1-Ig

## Basic Information

<b>Catalog Number:</b> 68348-1-Ig	<b>GenBank Accession Number:</b> BC014020	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10458	<b>CloneNo.:</b> 1D4G1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UQB8	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> BAI1-associated protein 2	
<b>Immunogen Catalog Number:</b> AG25161	<b>Calculated MW:</b> 61 kDa	
	<b>Observed MW:</b> 53 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rabbit brain tissue, LNCaP cells, rabbit cerebellum tissue, rat brain tissue, mouse brain tissue
<b>Species Specificity:</b> 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

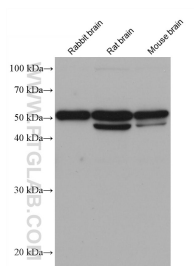
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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.