

For Research Use Only

IRSp53 Monoclonal antibody

Catalog Number: 68348-1-Ig



Basic Information

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

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rabbit brain tissue, LNCaP cells, rabbit cerebellum tissue, rat brain tissue, mouse brain tissue
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 -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:

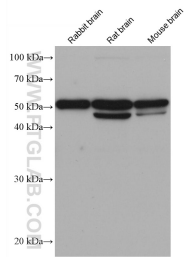
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Selected Validation Data



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.