

For Research Use Only

IRSp53 Polyclonal antibody

Catalog Number: 11087-2-AP **6 Publications**



Basic Information

Catalog Number: 11087-2-AP	GenBank Accession Number: BC014020	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 10458	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q9UQB8	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: BAI1-associated protein 2	IHC 1:50-1:500
Immunogen Catalog Number: AG1552	Calculated MW: 61 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, IP, WB	WB: mouse brain tissue, human brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	IP: mouse brain tissue,
Cited Species: hamster, human, mouse	IHC: mouse brain tissue, human brain tissue, human breast cancer tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Qinggang Li	31534052	JCI Insight	WB
Fei-Long Yu	31531927	Proteomics	WB, IP
Alice Trausch	35844059	Biol Cell	WB

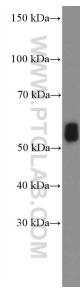
Storage

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

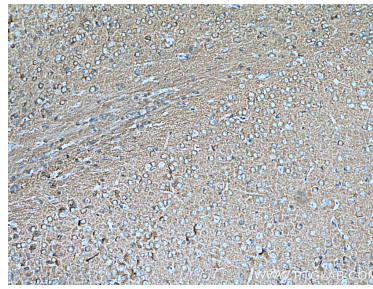
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

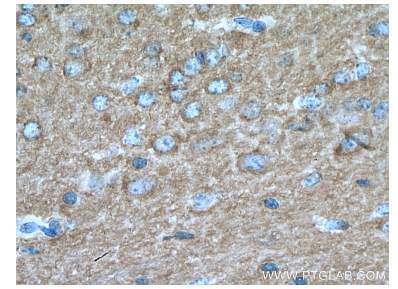
Selected Validation Data



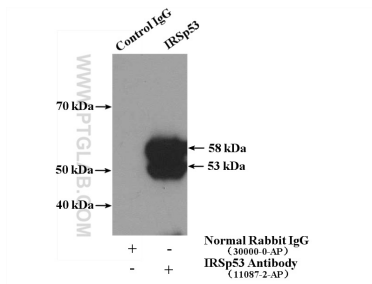
mouse brain tissue were subjected to SDS PAGE followed by western blot with 11087-2-AP (IRSp53 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11087-2-AP (IRSp53 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11087-2-AP (IRSp53 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-IRSp53 (IP:11087-2-AP, 4ug; Detection:11087-2-AP 1:500) with mouse brain tissue lysate 2640ug.