

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: 150ul, Concentration: 600 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10458	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: BAI1-associated protein 2	Calculated MW: 61 kDa
Isotype: IgG	Observed MW: 53 kDa	Immunogen Catalog Number: AG1552

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB: mouse brain tissue, human brain tissue, rat brain tissue
Cited Applications: IF, IHC, IP, WB	IP: mouse brain tissue,
Species Specificity: human, mouse, rat	IHC: mouse brain tissue, human brain tissue, human breast cancer tissue
Cited Species: hamster, human, mouse	
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

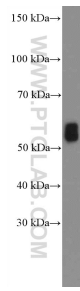
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

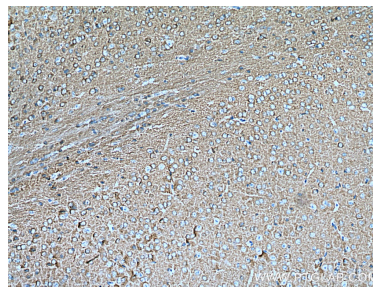
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

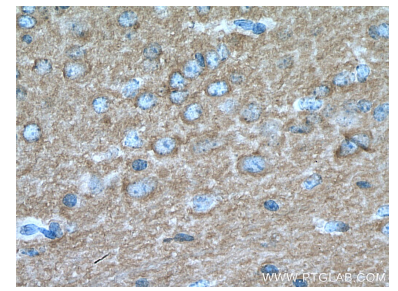
Selected Validation Data



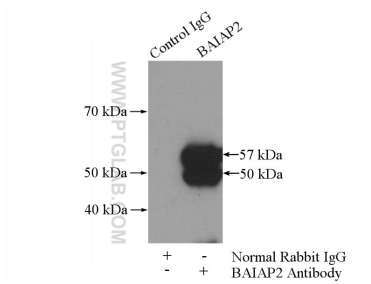
mouse brain tissue were subjected to SDS PAGE followed by western blot with 11087-2-AP (IRSp53 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.