

## IRSp53 Polyclonal Antibody

Catalog number: 11087-2-AP

Size: 60 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

BAIAP2; BAI associated protein

2, BAI1 associated protein 2,

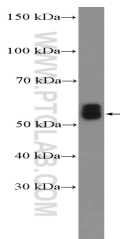
BAIAP2, BAP2, Fas ligand

associated factor 3, FLAF3,

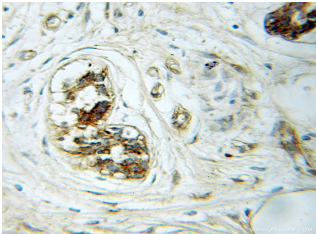
Insulin receptor substrate p53,

IRS 58, IRSp53, IRSp53/58,

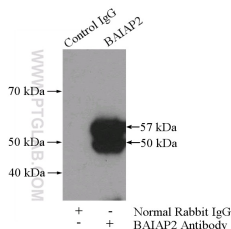
Protein BAP 2



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11087-2-AP( BAIAP2 Antibody) at dilution of 1:600



Immunohistochemical of paraffin-embedded human breast cancer using 11087-2-AP(BAIAP2 antibody) at dilution of 1:100 (under 10x lens)



IP Result of anti-BAIAP2 (IP:11087-2-AP, 4µg; Detection:11087-2-AP 1:500) with mouse brain tissue lysate 2640µg.

### Background

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).

### Applications

Tested applications:	ELISA, IHC, WB, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated IRSp53 MW:	61 kDa
Observed IRSp53 MW:	53 kDa
Positive WB detected in	Mouse brain tissue, human brain tissue, rat brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human breast cancer tissue, human brain tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1552
GenBank accession number:	BC014020
Gene ID (NCBI):	10458
Full name:	BAI1-associated protein 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.