

GAD1 Polyclonal Antibody

Catalog number: 10408-1-AP

Size: 43 µg/150 µl

Source: Rabbit

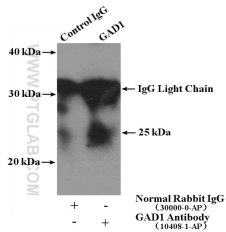
Isotype: IgG

Synonyms:

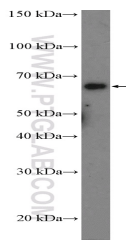
GAD1; FLJ45882, GAD, GAD 67,

GAD1, GAD67, Glutamate

decarboxylase 1, SCP



IP Result of anti-GAD1 (IP:10408-1-AP, 4ug; Detection:10408-1-AP 1:500) with HEK-293 cells lysate 3680ug.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10408-1-AP (GAD1 Antibody) at dilution of 1:600

Background

The GAD1 (glutamate decarboxylase 1) gene encodes 67 kDa glutamic acid decarboxylase isoform (GAD67), the rate-limiting enzyme responsible for γ -aminobutyric acid (GABA) biosynthesis from glutamic acid and the major GAD isoform in the human brain for early brain development (PMID:21302352). It is also potentially involved in variety of skin activities. It belongs to the group II decarboxylase family.

Applications

Tested applications:	ELISA, WB, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated GAD1 MW:	67 kDa
Observed GAD1 MW:	67 kDa, 25 kDa
Positive WB detected in	HEK-293 cells, mouse brain tissue
Positive IP detected in	HEK-293 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000

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

Immunogen information

Immunogen:	Ag0666
GenBank accession number:	BC002815
Gene ID (NCBI):	2571
Full name:	Glutamate decarboxylase 1 (brain, 67kDa)

Product information

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