For Research Use Only

GABRA4 Polyclonal antibody

Catalog Number: 12979-1-AP

3 Publications



Basic Information

Catalog Number: 12979-1-AP Size: 800 μ g/ml

Source: Rabbit Isotype:

Immunogen Catalog Number:

AG3600

Calculated MW: 554 aa. 62 kDa

gamma-aminobutyric acid (GABA) A

GenBank Accession Number:

BC035055

GeneID (NCBI):

UNIPROT ID:

P48169 Full Name:

Observed MW: 62-70 kDa

receptor, alpha 4

Antigen affinity purification Recommended Dilutions:

WB 1:500-1:3000

Purification Method:

IP 0.5-4.0 ug for 1.0-3.0 mg of total

protein lysate

Applications

Tested Applications: IP, WB, ELISA Cited Applications:

Species Specificity: human, mouse, rat **Cited Species:** human, mouse

Positive Controls:

WB: mouse skeletal muscle tissue, mouse brain tissue, human kidney tissue, mouse kidney tissue

IP: mouse skeletal muscle tissue,

Background Information

Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. GABRA4, encoding the extrasynaptically located a 4 - subunit of the GABAA receptor, is involved in the etiology of autism. (PMID: 32028044, 32033586)

Notable Publications

Author	Pubmed ID	Journal	Application
Jiaxun Nie	32683743	FASEBJ	WB
Neus Pedraza	37684532	Cell Mol Life Sci	IP,WB
Min Wang	38292191	Genes Dis	WB

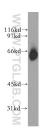
Storage

Store at -20°C. Stable for one year after shipment.

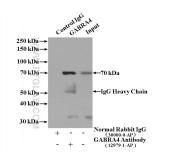
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

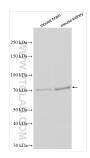
Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 12979-1-AP (GABRA4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-GABRA4 (IP:12979-1-AP, 4ug; Detection:12979-1-AP 1:500) with mouse skeletal muscle tissue lysate 2200ug.



Various lysates were subjected to SDS PAGE followed by western blot with 12979-1-AP (GABRA4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.