For Research Use Only

GFOD1 Polyclonal antibody, PBS Only

Catalog Number:32902-1-PBS

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Basic Information

Catalog Number:
32902-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG37656

GenBank Accession Number:
BC119005

GeneID (NCBI):
54438

UNIPROT ID:
Q9NXC2

Full Name:
glucose-fructose oxidoreductase domain containing 1

Calculated MW:
390 aa, 43 kDa

Observed MW:
43 kDa

Purification Method:
Antigen affinity Purification

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

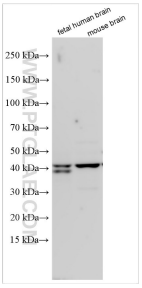
Glucose-fructose oxidoreductase domain 1 (GFOD1), may be linked to the development of ADHD. It plays a role in regulating oxidative stress in ADHD. GFOD1 may contribute to increased levels of oxidative stress specifically in the prefrontal cortex and cerebellar cortex regions and astrocytes affected by ADHD via up-regulation of the NF-κB p65/NOX2/oxidative stress axis (PMID: 40210145). There is a signal peptide at the N-terminal of this protein and the detected double strand in fetal human brain tissue is consistent with PMID: 38946427.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32902-1-AP (GFOD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32902-1-PBS in a different storage buffer formulation.