

For Research Use Only

GFOD1 Polyclonal antibody

Catalog Number: 32902-1-AP



Basic Information

Catalog Number: 32902-1-AP	GenBank Accession Number: BC119005	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 54438	Recommended Dilutions: WB: 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9NXC2	
Isotype: IgG	Full Name: glucose-fructose oxidoreductase domain containing 1	
Immunogen Catalog Number: AG37656	Calculated MW: 390 aa, 43 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : fetal human brain tissue, mouse brain tissue
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- κ B/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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

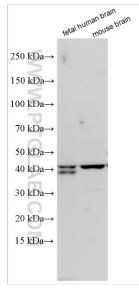
For technical support and original validation data for this product please contact:

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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.