

For Research Use Only

GATD3 Recombinant monoclonal antibody

Catalog Number: 88088-1-RR



Basic Information

Catalog Number: 88088-1-RR	GenBank Accession Number: BC002370	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 8209	CloneNo.: 260353D3
Isotype: IgG	UNIPROT ID: PODPI2	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: AG37527	Full Name: chromosome 21 open reading frame 33	
	Calculated MW: 268 aa, 28 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, K-562 cells, THP-1 cells, A549 cells, mouse liver tissue, rat skeletal muscle tissue
Species Specificity: human, mouse, rat	

Background Information

GATD3A is a member of glutamine amidotransferase-like class 1 domain-containing (GATD) family. GATD proteins classically generate ammonia by amidolysis from the glutamine amide nitrogen, transferring it to an acceptor substrate in a variety of anabolic reactions involving purine and pyrimidine synthesis (PMID: 9575335). GATD3A restricts the formation of AGEs in mitochondria and is a relevant target for diseases where AGE deposition is a pathological hallmark (PMID: 35307029).

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

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88088-1-RR (C21orf33 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.