

For Research Use Only

HOGA1 Polyclonal antibody

Catalog Number: 27755-1-AP



Basic Information

Catalog Number: 27755-1-AP	GenBank Accession Number: BC045550	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 112817	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: Q86XE5	
Isotype: IgG	Full Name: chromosome 10 open reading frame 65	
Immunogen Catalog Number: AG26849	Observed MW: 35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse kidney tissue, rat kidney tissue
Species Specificity: Human, mouse, rat	

Background Information

HOGA1 (4-hydroxy-2-oxoglutarate aldolase), also known as C10orf65, DHDSL, is a mitochondrial enzyme that plays a gatekeeper role in hydroxyproline metabolism. HOGA1 is primarily expressed in liver and kidney and catalyzes the final step of mitochondrial hydroxyproline metabolism from 4-hydroxy-2-oxoglutarate to glyoxylate and pyruvate (PMID: 31696211). Identification of mutations in the HOGA1 gene as the cause of autosomal recessive primary hyperoxaluria (PH) type III has revitalized research in the field of PH and related stone disease (PMID: 22781098).

Storage

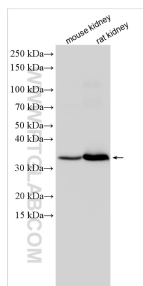
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27755-1-AP (HOGA1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.