

For Research Use Only

GGT1 Recombinant monoclonal antibody

Catalog Number:87659-1-RR



Basic Information

Catalog Number: 87659-1-RR	GenBank Accession Number: NM_001305992.1	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 14598	CloneNo.: 253090C2
Isotype: IgG	UNIPROT ID: Q60928	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: EG6301	Full Name: gamma-glutamyltransferase 1	
	Calculated MW: 62 kDa	
	Observed MW: 50-61 kDa	

Applications

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

Background Information

GGT1 is a heterodimer composed of light chain and heavy chain, and its active site is located in the light chain. The metabolism of glutathione by GGT1 releases free glutamic acid and dipeptide cysteine-glycine, which can be hydrolyzed into cysteine and glycine by dipeptidase. In the presence of high concentration of dipeptide and some amino acids, it can also catalyze the peptide transfer reaction and transfer γ -glutamyl group to receptor amino acids to form new γ -glutamyl compounds. Participate in cysteine homeostasis, glutathione homeostasis and the transformation of Leukotriene LTC₄ to LTD₄ (PMID:12810527).

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

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

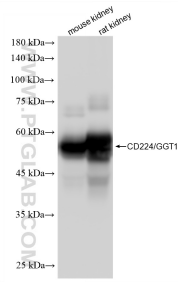
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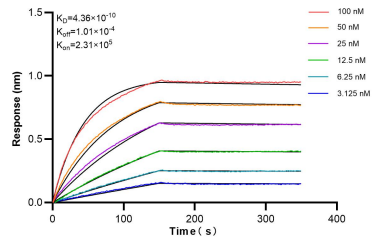
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87659-1-RR (CD224/IGT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87659-1-RR against Mouse GGT1 were performed. The affinity constant is 0.436 nM.