

For Research Use Only

# GGT1 Recombinant monoclonal antibody

Catalog Number:87659-1-RR



## Basic Information

<b>Catalog Number:</b> 87659-1-RR	<b>GenBank Accession Number:</b> NM_001305992.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 14598	<b>CloneNo.:</b> 253090C2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q60928	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> gamma-glutamyltransferase 1	
<b>Immunogen Catalog Number:</b> EG6301	<b>Calculated MW:</b> 62 kDa	
	<b>Observed MW:</b> 50-61 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse kidney tissue, rat kidney tissue
<b>Species Specificity:</b> 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  $\gamma$ -glutamyl group to receptor amino acids to form new  $\gamma$ -glutamyl compounds. Participate in cysteine homeostasis, glutathione homeostasis and the transformation of Leukotriene LTC<sub>4</sub> to LTD<sub>4</sub> (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

\*\*\* 20ul sizes contain 0.1% BSA

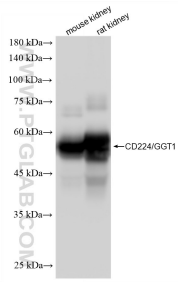
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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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.