

For Research Use Only

# GSTM5 Monoclonal antibody

Catalog Number: 68210-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 68210-1-Ig	<b>GenBank Accession Number:</b> BC058881	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 2949	<b>CloneNo.:</b> 2E5C2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P46439	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> glutathione S-transferase mu 5	
<b>Immunogen Catalog Number:</b> AG6054	<b>Calculated MW:</b> 26 kDa	
	<b>Observed MW:</b> 26 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rabbit brain tissue, pig liver tissue, rabbit liver tissue, rat brain tissue, mouse brain tissue, mouse liver tissue, mouse testis tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, mouse, rat, pig, rabbit	
<b>Cited Species:</b> human	

## Background Information

GSTM5, Glutathione S-transferases, belongs to eukaryotic and prokaryotic phase II metabolic isozymes family. It can catalyze the conjugation of the reduced form of glutathione (GSH) to xenobiotic substrates for detoxification. GSTM5 undergo epigenetic repression in AMD (age-related macular degeneration) RPE/choroid, which may increase susceptibility to oxidative stress in AMD retinas (PMID: 22410570). GSTM5 was found in brain, lung and testis (PMID: 9230131).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chen Ke	38236327	Lasers Med Sci	WB

## 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

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

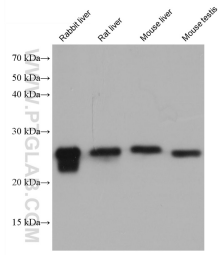
T: 4006900926

E: Proteintech-CN@ptglab.com

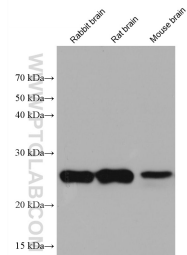
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

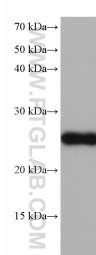
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68210-1-Ig (GSTM5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68210-1-Ig (GSTM5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



pig liver tissue were subjected to SDS PAGE followed by western blot with 68210-1-Ig (GSTM5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.