

For Research Use Only

# GSTM3 Monoclonal antibody

Catalog Number: 67634-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67634-1-Ig	<b>GenBank Accession Number:</b> BC000088	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 2947	<b>CloneNo.:</b> 1E2B8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P21266	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> glutathione S-transferase mu 3 (brain)	
<b>Immunogen Catalog Number:</b> AG7494	<b>Calculated MW:</b> 27 kDa	
	<b>Observed MW:</b> 27 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, HeLa cells, pig brain tissue IF : A431 cells,
<b>Cited Applications:</b> CoIP, IF	
<b>Species Specificity:</b> Human, pig	
<b>Cited Species:</b> human	

## Background Information

GSTM3 is a cytosolic enzyme involved in prostaglandin and leukotriene synthesis and in the metabolism of toxic compounds, such as chemotherapeutic drugs, insecticides, herbicides, carcinogens, and by-products of oxidative stress. GSTM3 is expressed in testis, brain, lung, and lymphocytes. GSTM3 have been reported to be dysregulated in cancers like prostate cancer and colon cancer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Gelin Huang	35836265	Reprod Biol Endocrinol	IF,CoIP

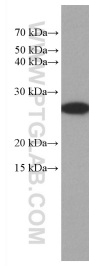
## Storage

**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

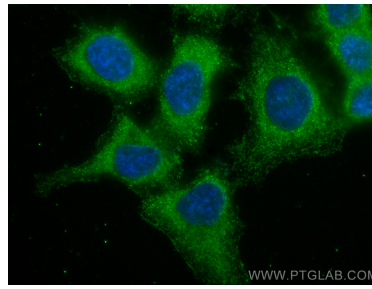
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 67634-1-Ig (GSTM3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using GSTM3 antibody (67634-1-Ig, Clone: 1E2B8) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).