Product Datasheet

GST3 Rabbit mAb

Catalog No: #49852

Package Size: #49852-1 50ul #49852-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

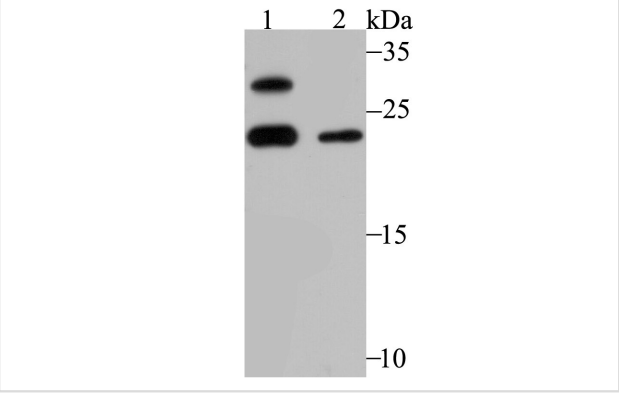
Description

Product Name	GST3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB40-79
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	Deafness antibody Deafness X-linked 7 antibody DFN7 antibody FAEES3 antibody Fatty Acid Ethyl Ester Synthase III antibody Glutathione S Transferase 3 antibody Glutathione S Transferase Pi antibody Glutathione S-transferase P antibody Glutathione S-transferase pi 1 antibody GST class-pi antibody GST3 antibody GSTP antibody Gstp1 antibody GSTP1-1 antibody GSTP1_HUMAN antibody PI antibody X linked 7 antibody
Accession No.	Swiss-Prot#:P09211
Uniprot	P09211
GeneID	2950;
Calculated MW	23 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

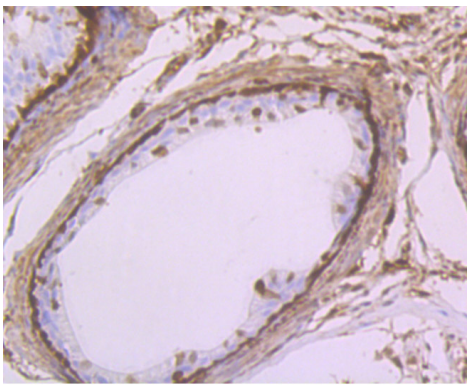
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200

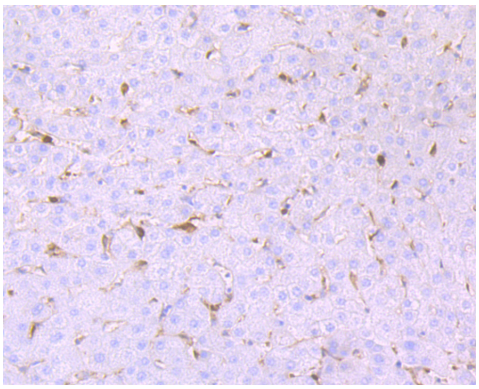
Images



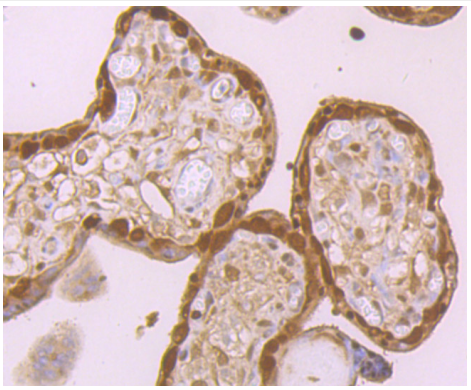
Western blot analysis of GST3 on mouse liver tissue (1) and A549 cell (2) lysate using anti-GST3 antibody at 1/500 dilution.



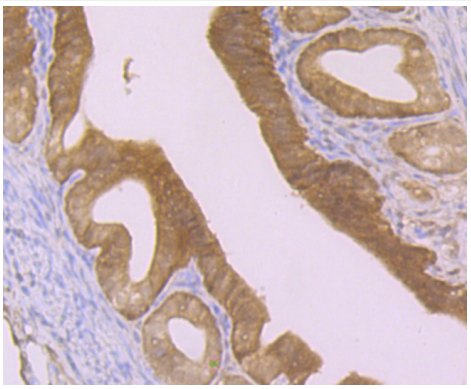
Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-GST3 antibody. Counter stained with hematoxylin.



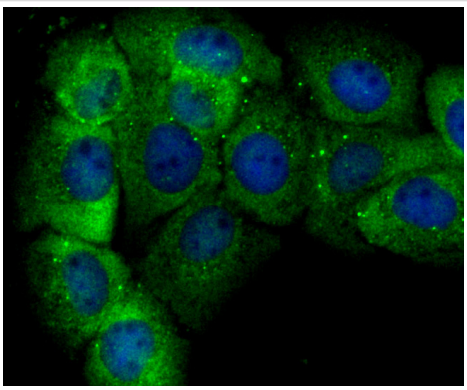
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-GST3 antibody. Counter stained with hematoxylin.



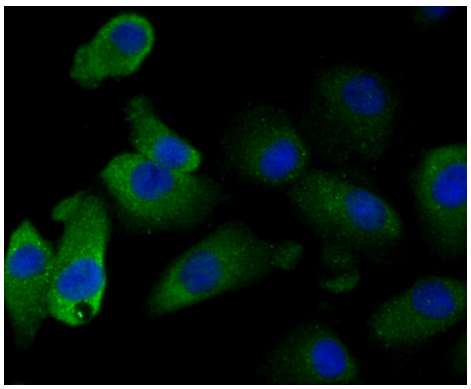
Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-GST3 antibody. Counter stained with hematoxylin.



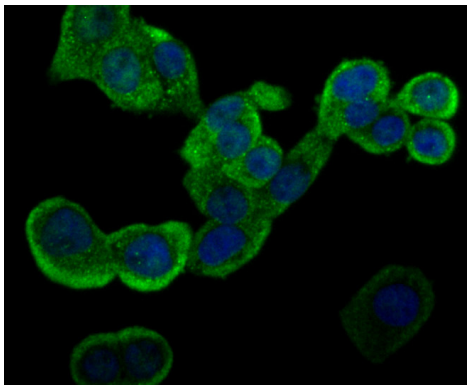
Immunohistochemical analysis of paraffin-embedded mouse fallopian tube tissue using anti-GST3 antibody. Counter stained with hematoxylin.



ICC staining GST3 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining GST3 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining GST3 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Glutathione S-transferases (GSTs) function in the metabolic detoxification of various environmental carcinogens and lipid hydroperoxides. In response to oxidative stress, upregulation of the GST family member GSTP1 occurs, consistent with this function. Furthermore, the GSTP1 gene is subject to CpG island hypermethylation, a state that correlates with human prostatic carcinogenesis. GSTP1 gene hypermethylation can be detected in urine, ejaculate and plasma from men with prostate cancer, potentially making GSTP1 a useful biomarker for prostate cancer screening.

References

Note: This product is for in vitro research use only