

For Research Use Only

GSTK1 Recombinant antibody

Catalog Number: 81527-1-RR

Featured Product

1 Publications



Basic Information

Catalog Number:

81527-1-RR

Size:

250 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6036

GenBank Accession Number:

BC050715

GeneID (NCBI):

373156

UNIPROT ID:

Q9Y2Q3

Full Name:

glutathione S-transferase kappa 1

Calculated MW:

32 kDa

Observed MW:

27 kDa

Purification Method:

Protein A purification

CloneNo.:

3J1

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

IF-P 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, HepG2 cells, HeLa cells, L02 cells, Raji cells, Daudi cells

IHC : mouse testis tissue, mouse liver tissue, human pancreas cancer tissue, human lung cancer tissue, human liver cancer tissue, human stomach cancer tissue

IF-P : mouse liver tissue,

IF/ICC : HeLa cells,

Background Information

GSTK1, glutathione S-transferase kappa 1, belongs to the superfamily of glutathione S-transferase (GST), which is related to oxidative stress (PMID:16081649). GSTK1 expression is negatively correlated with obesity and hypertrophic cardiomyopathy (PMID:21428694, PMID:27378925). GSTK1 was expressed in the peroxisomal and mitochondrial fractions and localized to peroxisomes (PubMed:14742434).

Notable Publications

Author	Pubmed ID	Journal	Application
Juan Wang	39580448	Mol Med	IHC

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:

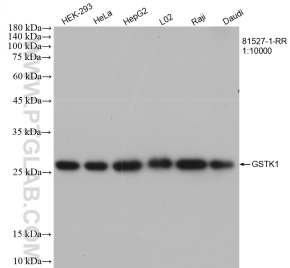
T: 4006900926

E: Proteintech-CN@ptglab.com

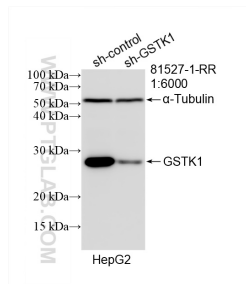
W: ptgcn.com

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

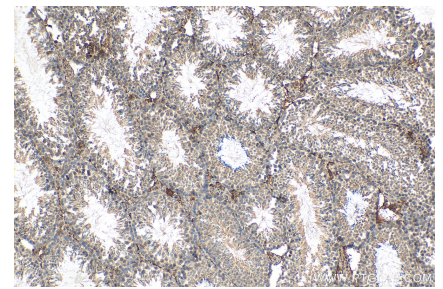
Selected Validation Data



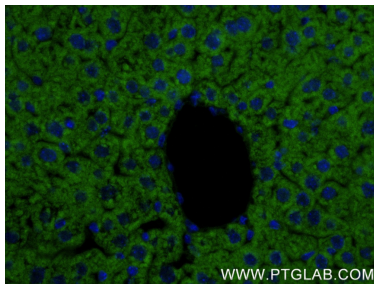
Various lysates were subjected to SDS PAGE followed by western blot with 81527-1-RR (GSTK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



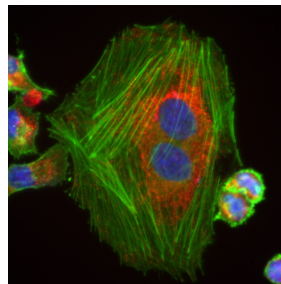
WB result of GSTK1 antibody (81527-1-RR; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GSTK1 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 81527-1-RR (GSTK1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using GSTK1 antibody (81527-1-RR, Clone: 3J1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GSTK1 antibody (81527-1-RR, Clone: 3J1) at dilution of 1:400 and CoraLite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).