

For Research Use Only

GSTK1 Recombinant antibody

Catalog Number: 81527-1-RR

Featured Product

1 Publications



Basic Information

Catalog Number:

81527-1-RR

Size:

100ul, Concentration: 250 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

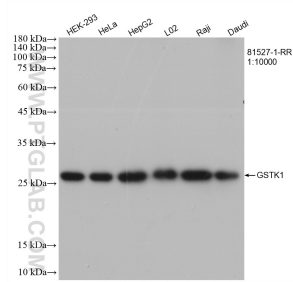
For technical support and original validation data for this product please contact:

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

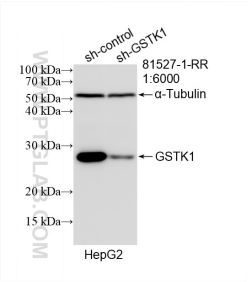
E: proteintech@ptglab.com
W: ptglab.com

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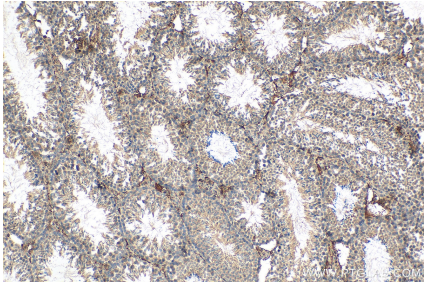
Selected Validation Data



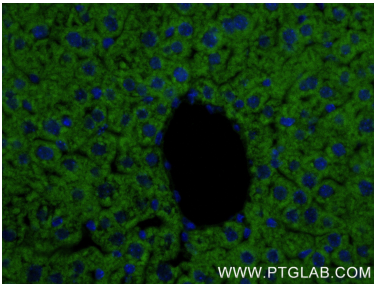
Various lysates were subjected to SDS PAGE followed by western blot with 81527-1-RR (GSTK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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 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).

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).