

For Research Use Only

GSTK1 Polyclonal antibody

Catalog Number: 14535-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

14535-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : HepG2 cells, HUVEC cells, Raji cells, L02 cells, mouse testis tissue, rat testis tissue

IP : Raji cells,

IHC : human testis tissue, human liver cancer tissue

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 in mice and human, 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
Rojanathammanee Lalida L	24285747	J Gerontol A Biol Sci Med Sci	WB
Dennis R Petersen	29852184	Exp Mol Pathol	WB
Dewey Shannamar S	23848590	J Proteome Res	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

*** 20ul sizes contain 0.1% BSA

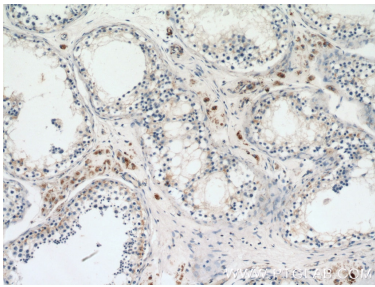
For technical support and original validation data for this product please contact:

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

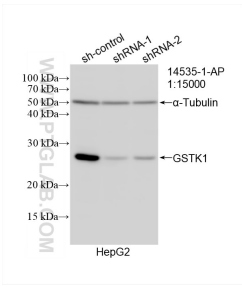
E: proteintech@ptglab.com
W: ptglab.com

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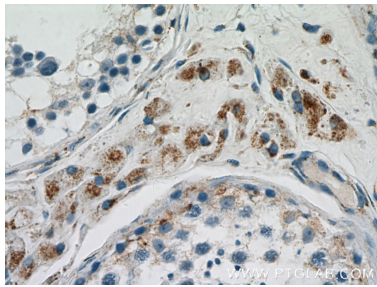
Selected Validation Data



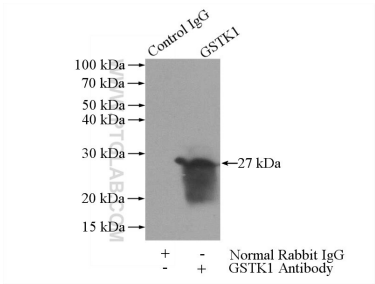
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 14535-1-AP (GSTK1 Antibody) at dilution of 1:200 (under 10x lens).



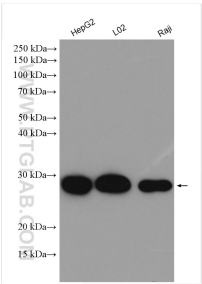
WB result of GSTK1 antibody (14535-1-AP; 1:15000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GSTK1 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 14535-1-AP (GSTK1 Antibody) at dilution of 1:200 (under 40x lens).



IP result of anti-GSTK1 (IP:14535-1-AP, 3ug; Detection:14535-1-AP 1:1000) with Raji cells lysate 2000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 14535-1-AP (GSTK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.