

For Research Use Only

GSTK1 Polyclonal antibody

Catalog Number: 14535-1-AP **7 Publications**



Basic Information

Catalog Number: 14535-1-AP	GenBank Accession Number: BC050715	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 260 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 373156	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: glutathione S-transferase kappa 1	Calculated MW: 32 kDa
Isotype: IgG	Observed MW: 27 kDa	Immunogen Catalog Number: AG6036

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HepG2 cells, HUVEC cells, Raji cells, L02 cells, mouse testis tissue, rat testis tissue
Cited Applications: CoIP, IHC, WB	IP : Raji cells,
Species Specificity: human, mouse, rat	IHC : human testis tissue, human liver cancer tissue
Cited Species: human, rat, mouse	

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

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

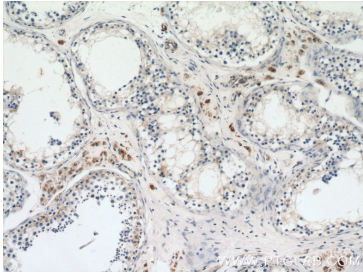
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

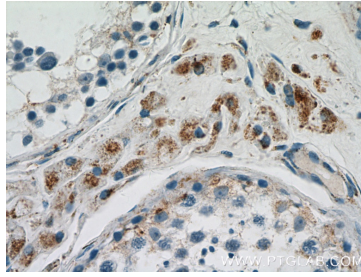
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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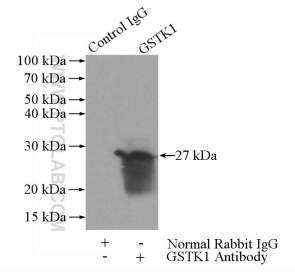
Selected Validation Data



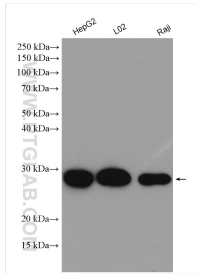
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 14535-1-AP (GSTK1 Antibody) at dilution of 1:200 (under 10x lens).



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.