

For Research Use Only

GSTK1 Recombinant antibody

Catalog Number: 81527-1-RR



Basic Information

Catalog Number: 81527-1-RR	GenBank Accession Number: BC050715	Purification Method: Protein A purification
Size: 100ul , Concentration: 250 µg/ml by Nanodrop;	GeneID (NCBI): 373156	CloneNo.: 3J1
Source: Rabbit	Full Name: glutathione S-transferase kappa 1	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG	Calculated MW: 32 kDa	
Immunogen Catalog Number: AG6036	Observed MW: 27 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

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 : HEK-293 cells, HeLa cells, HepG2 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 : 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).

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

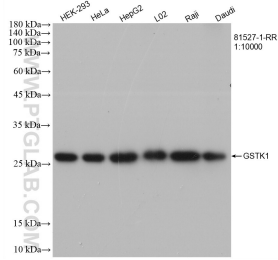
For technical support and original validation data for this product please contact:

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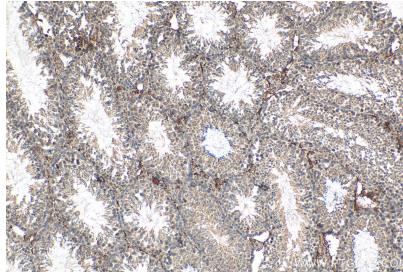
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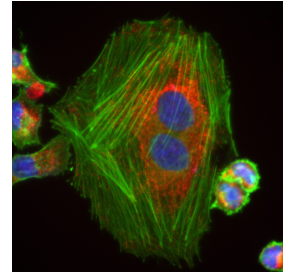
Selected Validation Data



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.



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).