

For Research Use Only

# GSTK1 Recombinant antibody, PBS Only



Catalog Number: 81527-1-PBS

## Basic Information

<b>Catalog Number:</b> 81527-1-PBS	<b>GenBank Accession Number:</b> BC050715	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg/ml	<b>GeneID (NCBI):</b> 373156	<b>CloneNo.:</b> 3J1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2Q3	
<b>Isotype:</b> IgG	<b>Full Name:</b> glutathione S-transferase kappa 1	
<b>Immunogen Catalog Number:</b> AG6036	<b>Calculated MW:</b> 32 kDa	
	<b>Observed MW:</b> 27 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA, IF/ICC, IHC, WB

**Species Specificity:**  
rat, mouse, human

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

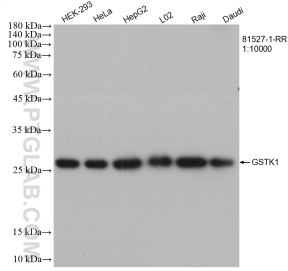
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

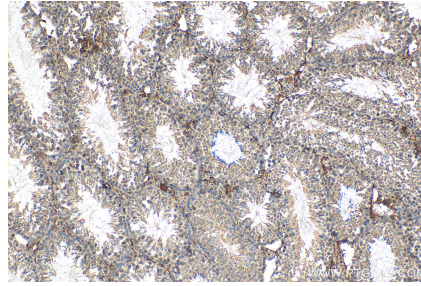
W: [ptgcn.com](http://ptgcn.com)

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

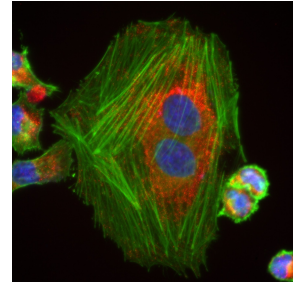
## Selected Validation Data



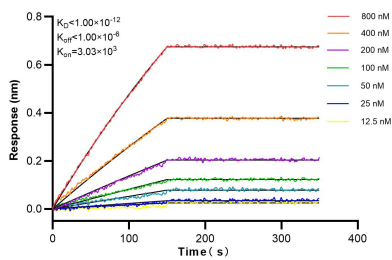
Various lysates were subjected to SDS PAGE followed by western blot with 81527-1-RR (GSTK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81527-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 81527-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GSTK1 antibody (81527-1-RR, Clone: 311) at dilution of 1:400 and CoraLite® 594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81527-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81527-1-RR against Human GSTK1 were performed. The affinity constant is below 1 pM.