

For Research Use Only

# GUK1 Monoclonal antibody

Catalog Number: 67047-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 67047-1-Ig	<b>GenBank Accession Number:</b> BC009914	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2987	<b>CloneNo.:</b> 2H5E1
<b>Source:</b> Mouse	<b>Full Name:</b> guanylate kinase 1	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:400-1:1600 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 22 kDa	
<b>Immunogen Catalog Number:</b> AG28805	<b>Observed MW:</b> 22-27 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:** Jurkat cells, HEK-293 cells, fetal human brain  
tissue, rat brain tissue, mouse brain tissue, HeLa cells

**IHC:** human thyroid cancer tissue, human prostate  
cancer tissue

**IF:** human thyroid cancer tissue,

## Background Information

### Storage

#### Storage:

Store at -20°C.

#### 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

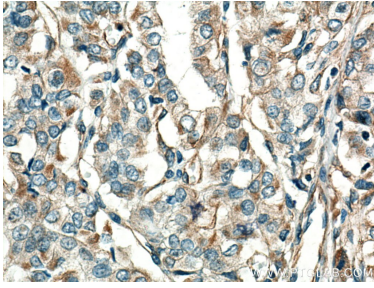
For technical support and original validation data for this product please contact:

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

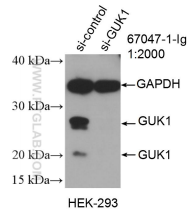
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech  
Group brand and is not available to purchase from any  
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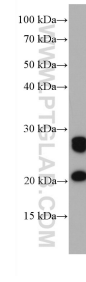
## Selected Validation Data



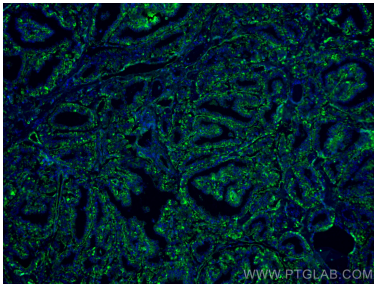
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 67047-1-Ig (GUK1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



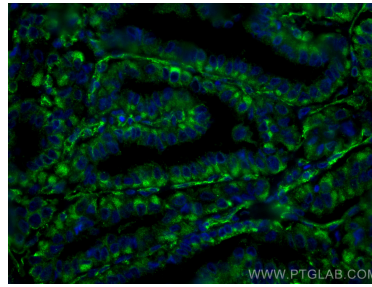
WB result of GUK1 antibody (67047-1-Ig: 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GUK1 transfected HEK-293 cells.



Jurkat cells were subjected to SDS PAGE followed by western blot with 67047-1-Ig (GUK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human thyroid cancer tissue using GUK1 antibody (67047-1-Ig, Clone: 2H5E1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human thyroid cancer tissue using GUK1 antibody (67047-1-Ig, Clone: 2H5E1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).