

For Research Use Only

# Gastroke 1 Monoclonal antibody

Catalog Number: 60130-1-Ig



## Basic Information

<b>Catalog Number:</b> 60130-1-Ig	<b>GenBank Accession Number:</b> BC059778	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1500 µg/ml by Nanodrop and 1500 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 56287	<b>CloneNo.:</b> 3C10E3
<b>Source:</b> Mouse	<b>Full Name:</b> gastroke 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 22 kDa	
<b>Immunogen Catalog Number:</b> AG6091	<b>Observed MW:</b> 22 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

human, rat, pig, mouse

**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 : human stomach tissue, rat stomach tissue

IHC : human stomach tissue,

IF : human stomach tissue, mouse stomach tissue

## Background Information

Gastroke 1 (GKN1), a stomach-specific protein also known as 18 kDa antrum mucosa protein (AMP-18) or foveolin, belongs to the gastroke family of gastric mucus cell-secreted proteins. The human GKN1 gene has been localized in a region of chromosome 2p13 of about 6 kb and contains 6 exons. GKN1 is expressed only in normal human stomach, but is absent from gastric adenocarcinomas, gastro-esophageal adenocarcinoma cell lines, and other normal and tumor gastro-intestinal tissues. GKN1 may play an important role in normal gastric function and may be a gastric tumour suppressor.

## 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

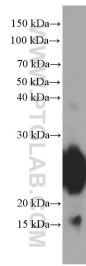
For technical support and original validation data for this product please contact:

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

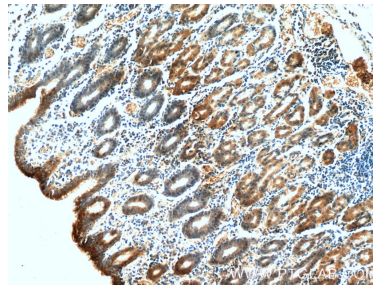
E: proteintech@ptglab.com  
W: ptglab.com

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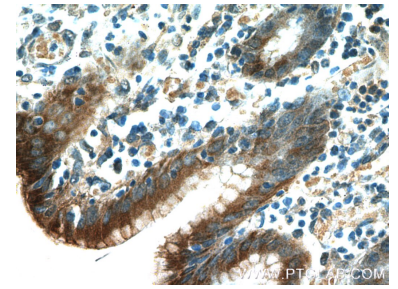
## Selected Validation Data



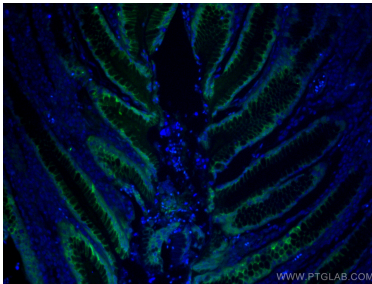
human stomach tissue were subjected to SDS PAGE followed by western blot with 60130-1-Ig (GKN1 Antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



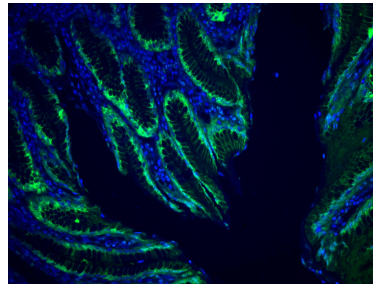
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 60130-1-Ig (GKN1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 60130-1-Ig (GKN1 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed human stomach tissue using Gastrokine 1 antibody (60130-1-Ig, Clone: 3C10E3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human stomach tissue using Gastrokine 1 antibody (60130-1-Ig, Clone: 3C10E3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).