

# SGLT2 Rabbit mAb

Catalog No.: A28996 **Recombinant**

## Basic Information

### Observed MW

46-75 kDa

### Calculated MW

49 kDa/73 kDa

### Category

Primary antibody

### Applications

WB,IP,IF-F,IF-P,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC82950

## Background

This gene encodes a member of the sodium glucose cotransporter family which are sodium-dependent glucose transport proteins. The encoded protein is the major cotransporter involved in glucose reabsorption in the kidney. Mutations in this gene are associated with renal glucosuria. Two transcript variants, one protein-coding and one not, have been found for this gene.

## Recommended Dilutions

|              |   |
|--------------|---|
| <b>WB</b>    | 1:6000 - 1:20000  |
| <b>IP</b>    | 0.5 µg - 4 µg antibody for<br>400 µg - 600 µg extracts<br>of whole cells  |
| <b>IF-F</b>  | 1:200 - 1:1000  |
| <b>IF-P</b>  | 1:200 - 1:1000  |
| <b>IHC-P</b> | 1:2000 - 1:8000   |
| <b>ELISA</b> | Recommended starting<br>concentration is 1 µg/mL.<br>Please optimize the<br>concentration based on<br>your specific assay<br>requirements. For high-<br>ratio antibody dilutions<br>(≥1:10000) a sequential<br>dilution method is<br>strongly recommended<br>to ensure measurement<br>accuracy. |

## Immunogen Information

### Gene ID

6524

### Swiss Prot

P31639

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

SGLT2

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Contact

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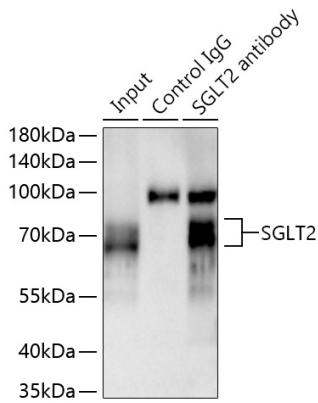
 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

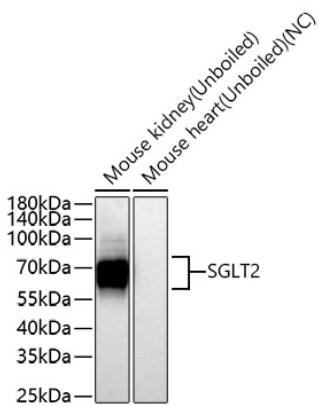
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

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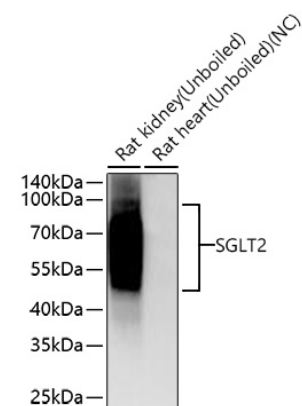
## Validation Data



Immunoprecipitation of SGLT2 from 600 µg extracts of Mouse kidney(Unboiled) tissue was performed using 2 µg of SGLT2 Rabbit mAb (A28996). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using SGLT2 Rabbit mAb (A28996) at a dilution of 1:10000.

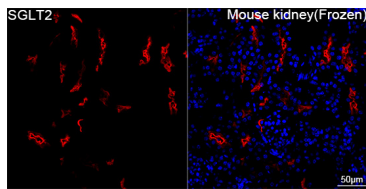


Western blot analysis of various lysates using SGLT2 Rabbit mAb (A28996) at 1:10000 dilution incubated overnight at 4°C.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Negative control (NC): Mouse heart.  
 Exposure time: 20 s.

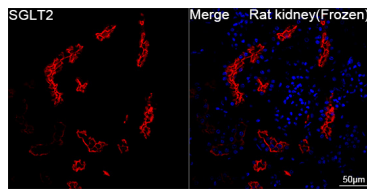


Western blot analysis of various lysates using SGLT2 Rabbit mAb (A28996) at 1:10000 dilution incubated overnight at 4°C.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Negative control (NC): Rat heart.  
 Exposure time: 45 s.

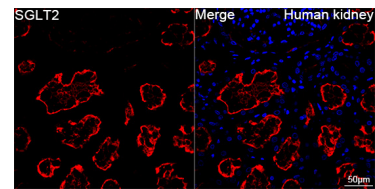
## Validation Data



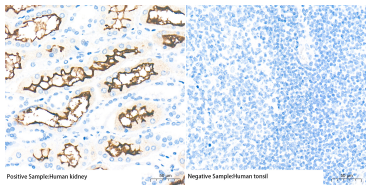
Confocal imaging of frozen sections of Mouse kidney tissue using SGLT2 Rabbit mAb (A28996, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



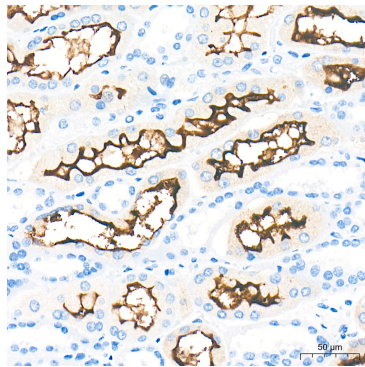
Confocal imaging of frozen sections of Rat kidney tissue using SGLT2 Rabbit mAb (A28996, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



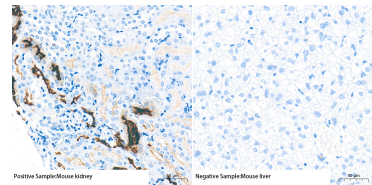
Confocal imaging of paraffin-embedded Human kidney tissue using SGLT2 Rabbit mAb (A28996, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



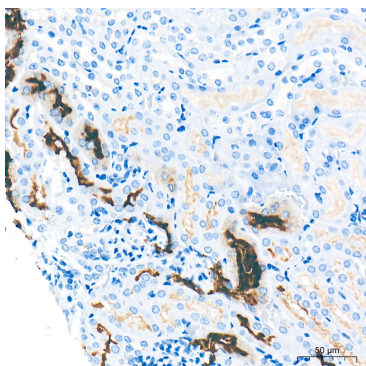
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue (left, Positive control) and Human tonsil tissue (right, Negative control), tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



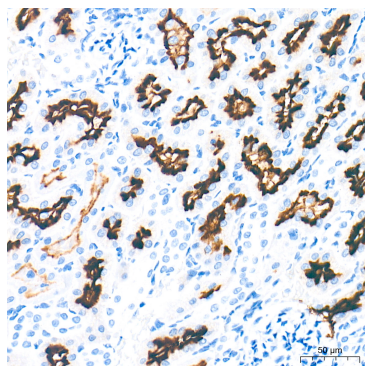
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue (left, Positive control) and Mouse liver tissue (right, Negative control), tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.