SGLT2 Rabbit mAb

Catalog No.: A28996

Recombinant

www.abclonal.com

Basic Information

Observed MW
46-75 kDa

Calculated MW
49 kDa/73 kDa

Category
Monoclonal Antibodies

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

Cross Reactivity
Human, Mouse, Rat

Clone No.
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

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

Immunogen Information

Gene ID
6524

Swiss-Prot
P31639

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

Synonyms
SGLT2

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

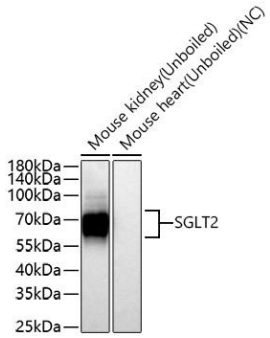
Source
Rabbit

Isotype
IgG

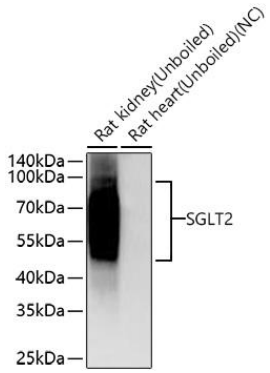
Purity
Affinity purification

Storage
Store at -20℃

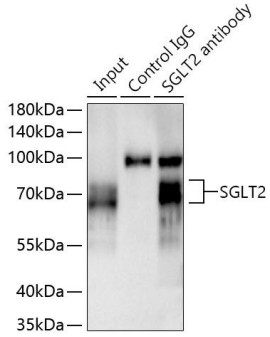
Validation Data



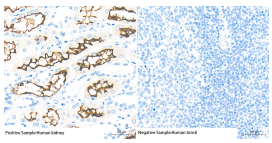
Western blot analysis of various lysates using SGLT2 Rabbit mAb (A28996) at 1: 10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: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



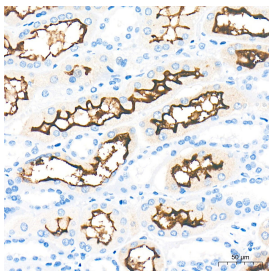
Western blot analysis of various lysates using SGLT2 Rabbit mAb (A28996) at 1: 10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: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



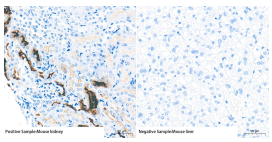
Immunoprecipitation of SGLT2 from 600 µg extracts of Mouse kidney(Unboiled) tissue was performed using 2 µg of SGLT2 Rabbit mAb (A28996).Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total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



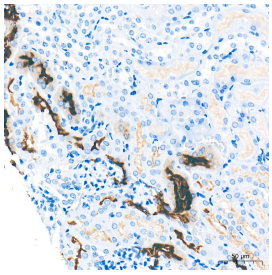
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue (left, Positive control) and Human tonsil tissue (right, Negative control), tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0)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



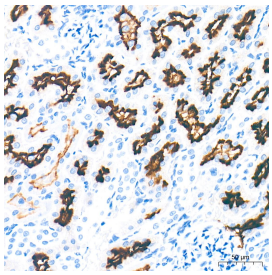
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



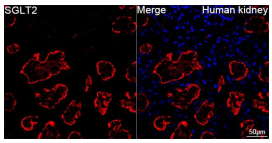
Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue (left, Positive control) and Mouse liver tissue (right, Negative control), tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior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



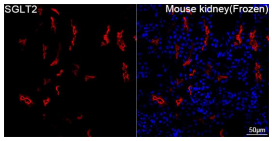
Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



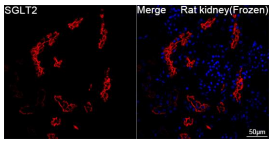
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using SGLT2 Rabbit mAb (A28996) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



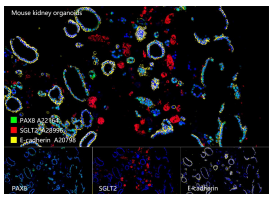
Confocal imaging of paraffin-embedded Human kidney tissue using SGLT2 Rabbit mAb (A28996, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed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



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.



The multiplex IHC analysis on paraffin-embedded Mouse kidney organoids tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : PAX8 Rabbit mAb (A22164, 1:200) with TSA-TYR-520 (Green), and SGLT2 Rabbit mAb (A28996, 1:5000) with TSA-TYR-570 (Red), and E-Cadherin Rabbit mAb (A20798, 1:2000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.