

## Anti-SLC9A9 Antibody (3Y293)

### Product Details

Ig Type:	IgG2a, Kappa
Reactivity:	Human (predicted:Mouse,Rat)
Clone:	3Y293
Purification:	Protein G purified

### Applications

- 1. Cell line: HepG2**  
Fixative: 4% Paraformaldehyde  
Permeabilization: 0.1% TritonX-100  
Primary ab dilution: 1:50  
Primary incubation condition: 4°C overnight  
Secondary ab: Goat Anti-Mouse IgG  
Nuclear counter stain: DAPI (Blue)  
Comment: Color green is the positive signal for TMAB-12916
- 2. Blocking buffer: 5% NFDm/TBST**  
Primary ab dilution: 1:1000  
Primary ab incubation condition: 4°C overnight  
Secondary ab: Goat Anti-Mouse IgG H&L (HRP)  
Lysate: HepG2, PC-3, PC-12, EL4.IL-2  
Protein loading quantity: 20 µg  
Exposure time: 60 s  
Predicted MW: 73 kDa  
Observed MW: 73 kDa
- 3. Tissue: Human liver cancer**  
Section type: Formalin fixed & Paraffin-embedded section  
Retrieval method: High temperature and high pressure  
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100  
Primary ab incubation condition: 1 hour at room temperature  
Secondary ab: SP Kit (Mouse)  
Counter stain: Hematoxylin (Blue)  
Comment: Color brown is the positive signal for TMAB-12916
- 4. Tissue: Human skeletal muscle**  
Section type: Formalin fixed & Paraffin-embedded section  
Retrieval method: High temperature and high pressure  
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100  
Primary ab incubation condition: 1 hour at room temperature  
Secondary ab: SP Kit (Mouse)  
Counter stain: Hematoxylin (Blue)  
Comment: Color brown is the positive signal for TMAB-12916

Verified Activity:

## A DRUG SCREENING EXPERT

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Application: WB,IHC-P,IHC-Fr,ICC/IF,IF

Recommended WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Gene ID: 285195

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### Research Background

Slc9a9 (Sodium/hydrogen exchanger 9) or NHE9 may act in electroneutral exchange of protons for Na(+) across membranes. Four isoforms of the Na<sup>+</sup>/H<sup>+</sup> exchanger (NHE6-NHE9) are distributed to intracellular compartments in human cells. They are localized to Golgi and post-Golgi endocytic compartments as follows: mid- to trans-Golgi, NHE8; trans-Golgi network, NHE7; early recycling endosomes, NHE6; and late recycling endosomes, NHE9. The intracellular localization of the NHEs is established by the balance of transport in and out of the post-Golgi compartments as the dynamic membrane trafficking. Their in vivo function is to regulate the pH and monovalent cation concentration in these organelles.

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