

Nur für Forschungszwecke

# SLC38A1 Polyklonaler Antikörper

Katalog-Nr.:28632-1-AP



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 28632-1-AP	<b>GenBank-Zugangsnummer:</b> BC010620	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 500 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 81539	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:14000 IHC 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> solute carrier family 38, member 1	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 487 aa, 54 kDa	
<b>Immunogen Katalognummer:</b> AG30088	<b>Beobachtete Masse:</b> 54 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IHC, WB, ELISA

### Getestete Reaktivität:

Human

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

WB : A549-Zellen, Maushirngewebe, Maus-Skelettmuskelgewebe

IHC : Maushirngewebe,

## Hintergrundinformationen

SLC38A1 (Sodium-coupled neutral amino acid transporter 1), is also named as SNAT1, which is a symporter that cotransports short-chain neutral amino acids and sodium ions from the extracellular to the intracellular side of the cell membrane (PMID:20599747, PMID:10891391). Inhibition of SLC38A1 reduced tumor growth, cellular migration, invasion, and induced senescence in melanoma cells (PMID:35565278). SLC38A1 was identified as a positive regulator of mTORC1 in neurons, which promoted ischemic brain damage by mTOR-autophagy system (PMID:31552299). SLC38A1 is mainly expressed in brain and placenta.

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 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)

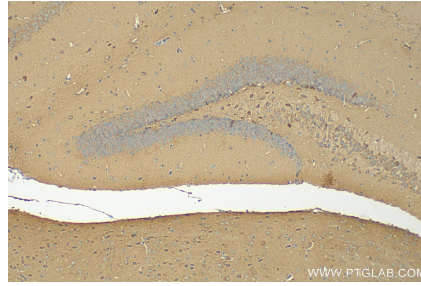
E: proteintech@ptglab.com  
W: ptglab.com

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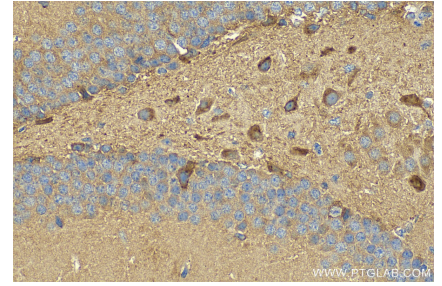
## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 28632-1-AP (SLC38A1 antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28632-1-AP (SLC38A1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28632-1-AP (SLC38A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).