

## Anti-SLC41A2 antibody

<b>Cat. No.</b>	ml262241
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-SLC41A2 rabbit polyclonal antibody
<b>Applications</b>	ELISA, IHC
<b>Immunogen</b>	Synthetic peptide of human SLC41A2
<b>Reactivity</b>	Human
<b>Content</b>	0.9 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	SLC41A2
<b>Full name</b>	solute carrier family 41 (magnesium transporter), member 2
<b>Synonyms</b>	SLC41A1-L1
<b>Swissprot</b>	Q96JW4

### Target Background

SLC41A2 (solute carrier family 41, member 2), also known as SLC41A1-L, is a 573 amino acid multi-pass membrane protein that belongs to the SLC41A transporter family that includes SLC41A1 and SLC41A3. Expressed in lymphocytes and localizing to the cell membrane, SLC41A2 contains twelve transmembrane domains, three myristoylation sequences, numerous possible phosphorylation sites and a putative N-glycosylation site. SLC41A2 is believed to function as a plasma-membrane magnesium transporter. Magnesium, a cofactor for ATP, plays a vital role in metabolic and biochemical processes.

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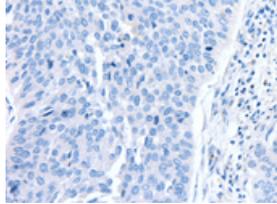
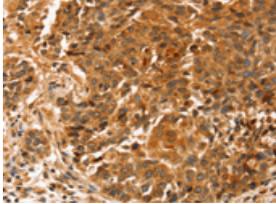
### Applications

#### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 25-100

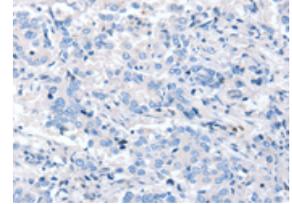
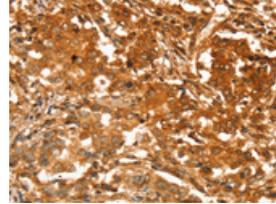


The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml262241(SLC41A2 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human lung cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml262241(SLC41A2 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

#### ELISA

Recommended dilution: 1000-2000

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