



## Rabbit Anti-Solute carrier family 1 antibody

SL21518R

<b>Product Name:</b>	Solute carrier family 1
<b>Chinese Name:</b>	溶质携带物家族-1抗体
<b>Alias:</b>	SLC1A5; (glutamate transporter), member 7; R16; AAAT; ATBO; M7V1; RDRC; ASCT2; M7VS1; FLJ31068; Baboon M7 virus receptor; RD114/simian type D retrovirus receptor; Sodium-dependent neutral amino acid transporter type 2; Solute carrier family 1 member 5; Neutral amino acid transporter B(0); ATB(0); RD114/simian type D retrovirus receptor; Sodium-dependent neutral amino acid transporter type 2; AAAT HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Mouse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	56kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from mouse Solute carrier family 1:161-260/541<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	solute carrier family 1 (neutral amino acid transporter), member 5. mediates infections of RD114 feline endogenous virus, baboon endogenous virus and type D simian

retroviruses; baboon M7 virus receptor; RD114 virus receptor; neutral amino acid transporter B.

**Function:**

Has a broad substrate specificity, a preference for zwitterionic amino acids, and a sodium-dependence. It accepts as substrates all neutral amino acids, including glutamine, asparagine, and branched-chain and aromatic amino acids, and excludes methylated amino acids, anionic amino acids, and cationic amino acids. Acts as a cell surface receptor for feline endogenous virus RD114, baboon M7 endogenous virus and type D simian retroviruses.

**Subcellular Location:**

Membrane; Multi-pass membrane protein (Probable). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

**Tissue Specificity:**

Placenta, lung, skeletal muscle, kidney, pancreas, and intestine.

**Similarity:**

Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family. SLC1A5 subfamily.

**SWISS:**

P51912

**Gene ID:**

20514

**Database links:**

[Entrez Gene: 6510](#)Human

[Entrez Gene: 20514](#)Mouse

[Entrez Gene: 292657](#)Rat

[Omin: 109190](#)Human

[SwissProt: Q15758](#)Human

[SwissProt: P51912](#)Mouse

[SwissProt: Q9Z1J7](#)Rat

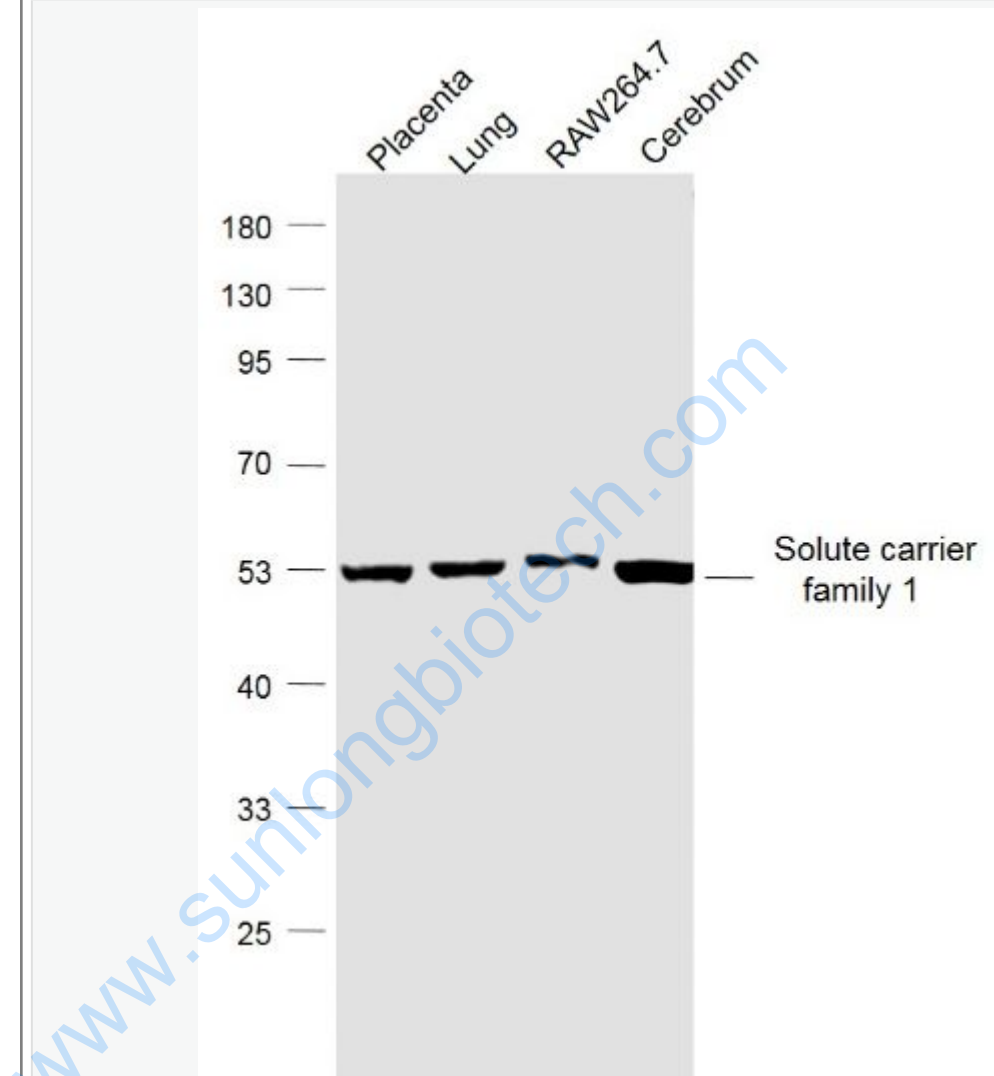
[Unigene: 631582](#)Human

[Unigene: 1056](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

RAW264.7 (Mouse) Cell Lysate at 30 ug

Placenta (Mouse) Lysate at 40 ug

Lung (Mouse) Lysate at 40 ug

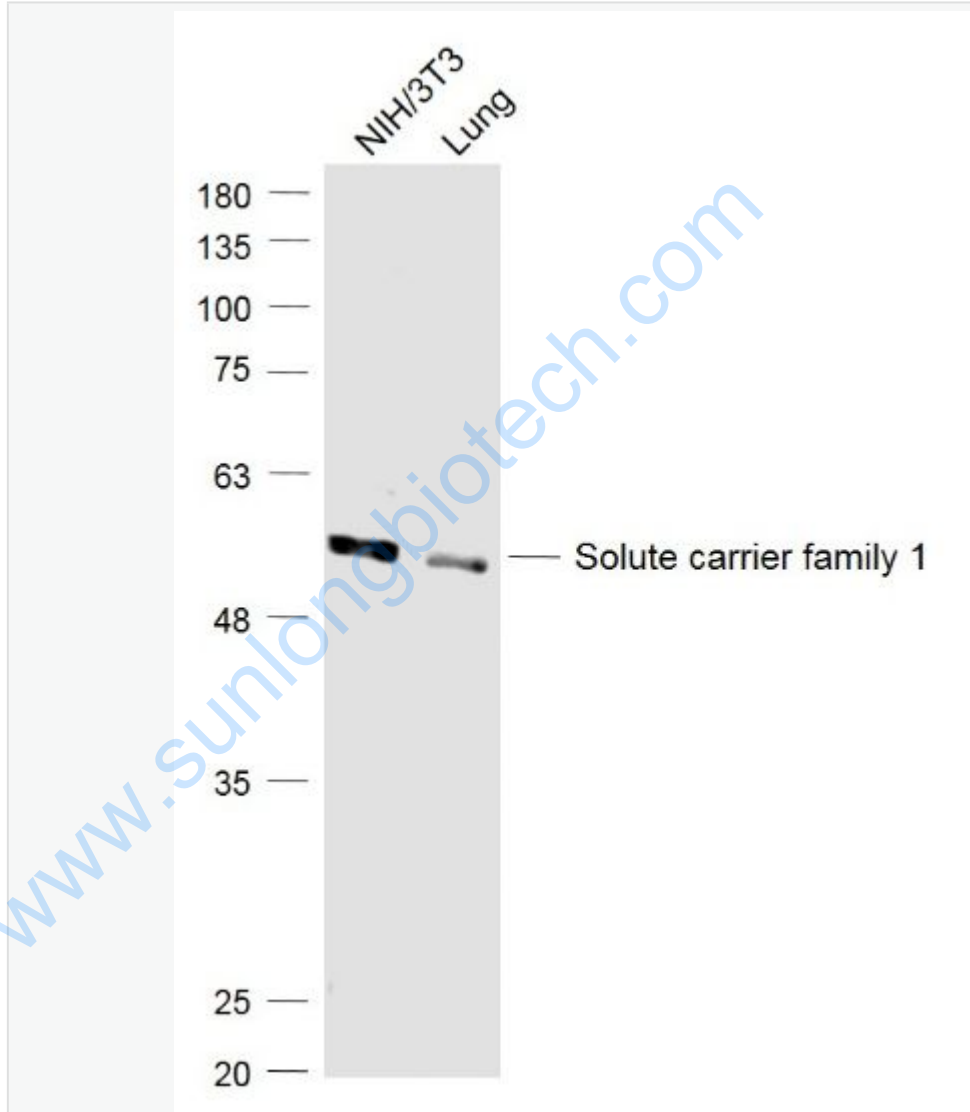
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-Solute carrier family 1 (SL21518R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

Observed band size: 56 kD



Sample:

NIH/3T3(Mouse) Cell Lysate at 30 ug

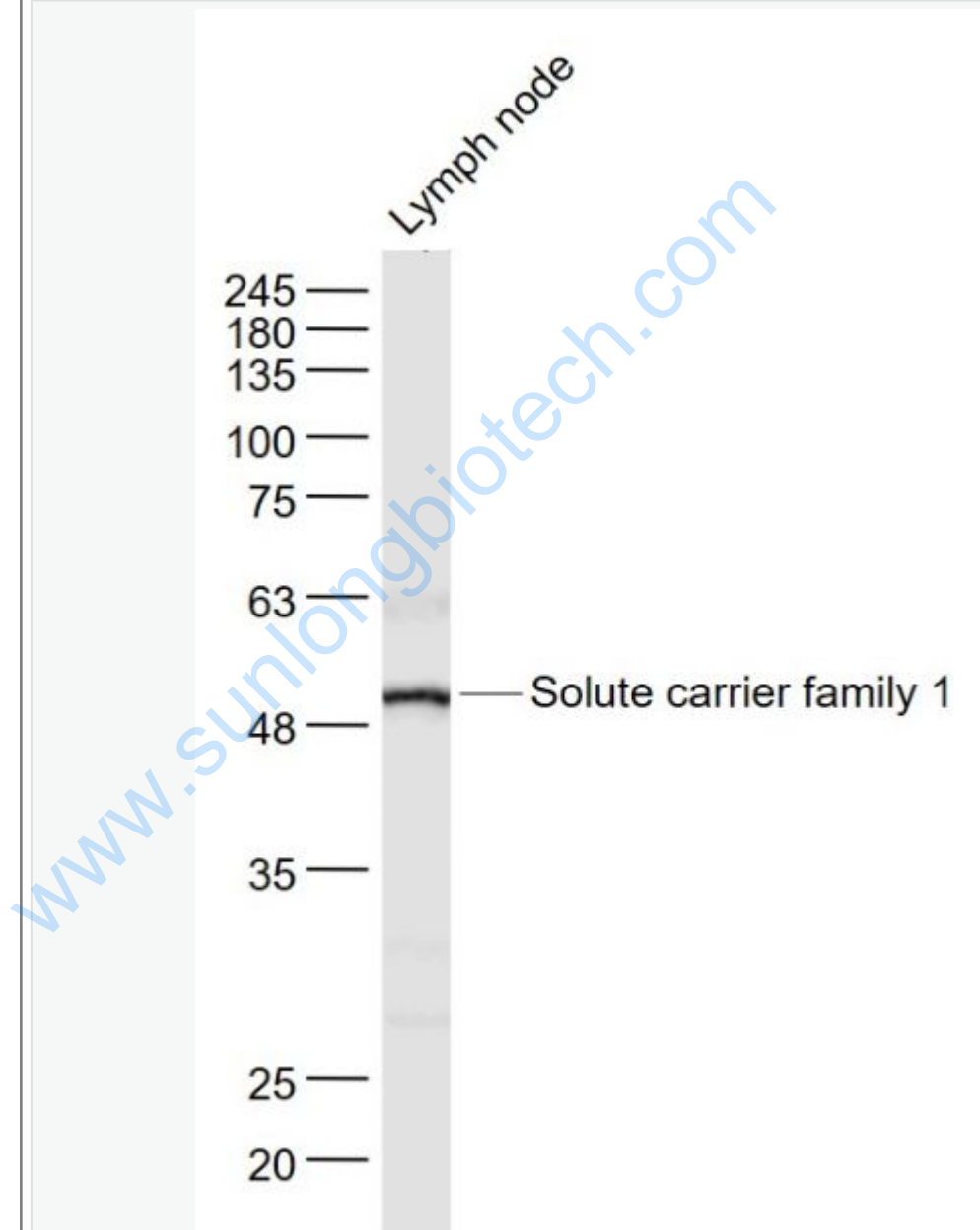
Lung (Mouse) Lysate at 40 ug

Primary: Anti-Solute carrier family 1 (SL21518R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

Observed band size: 56 kD



Sample:

Lymph node (Mouse) Lysate at 40 ug

Primary: Anti- Solute carrier family 1 (SL21518R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

Observed band size: 53 kD

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