**anti-Lat2/Slc7a8**

**affinity purified rabbit antibody**

Lot: IG1004-689  
Data Sheet: 20130606

---

**Antibody preparation and storage**

100 µg of antibody (500 µg/ml in PBS, containing 1 mg/ml BSA and 0.02% [w/v] NaN₃) affinity purified on the peptide antigen. For repeated use store at 4°C (short term), stable for one year from date of shipment when stored at -20°C.

**Antigen**

Synthetic peptide derived from mouse Lat 2 sequence (Q9QXW9).

**Species cross-reactivity**

Mouse, human [2], others not tested

**Specificity**

Lat 2 (synonyms: SLC7A8, Solute carrier family 7 member 8, hLAT2, L-type amino acid transporter 2, Large neutral amino acids transporter small subunit 2). The antibody detects a ~ 50 kDa Lat 2 band in wild type mouse brain, kidney, jejunum, ileum, and other tissues, which is absent in knock-out animals. In some tissues the antibody detects an additional unknown 38 kDa band [1].

**Applications**

Western (immuno) blotting (dilution 1:1,000; 0.5 µg/ml).

Immunohistochemistry of formaldehyde fixed cells (dilution 1:250; 2 µg/ml).

All dilutions refer to the analysis of cells and tissues with intermediate to high levels of Lat 2 expression and must be viewed as approximate. The antibody should be titrated for each individual application.

**Western Blot**

Western blot analysis of mouse kidney extract with rabbit anti-Lat 2 antibody (1:800 dilution)

---

**References**

(∗: papers referencing the anti-Lat 2 antibody)


---

_for research use only — not for human, in vivo, diagnostic, therapeutic or other uses_