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EB09262 - Goat Anti-LAT1 / SLC7A5 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: SLC7A5, solute carrier family 7 (cationic amino acid transporter, y+ system), member 5, 4F2LC, CD98, D16S469E, E16, LAT1, MPE16, hLAT1, 4F2 light chain, CD98 light chain, L-type amino acid transporter 1, integral membrane protein E16, large neutral amino acids transporter 1, large neutral amino acids transporter small subunit 1, sodium-independent neutral amino acid transporter LAT1
Official Symbol: SLC7A5
Accession Number(s): NP_003477.4
Human GeneID(s): 8140

Immunogen

Peptide with sequence C-RHRKPELERPIKVN, from the internal region of the protein sequence according to NP_003477.4.

Please note the peptide is available for sale.

Purification and Storage

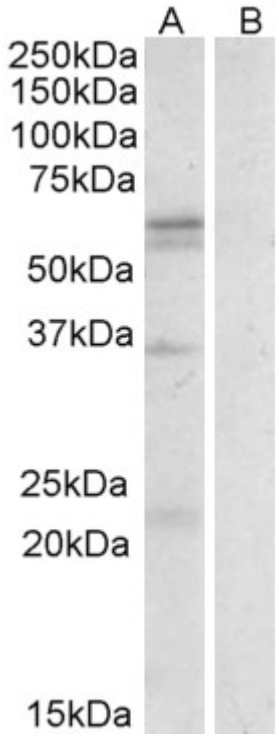
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.
Western blot: Approx 60kDa band observed in Human Spleen lysates (calculated MW of 55.0kDa according to NP_003477.4). Recommended concentration: 1-3µg/ml. Some minor background is detected and is blocked by the immunizing peptide. We call for caution when used for other assays than Western blot.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Dog



EB09262 (0.3µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.