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Research Use Only. Not for diagnostic or therapeutic use.

EB07480 - Goat Anti-SLC7A11 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SLC7A11, solute carrier family 7, (cationic amino acid transporter, y+

system) member 11, CCBR1, xCT, cystine/glutamate transporter

Official Symbol: SLC7A11

Accession Number(s): NP_055146.1

Human GenelD(s): 23657

Immunogen

Peptide with sequence C-KGQTQNFKDAFSGRD, from the internal region of the protein sequence according to NP_055146.1.

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

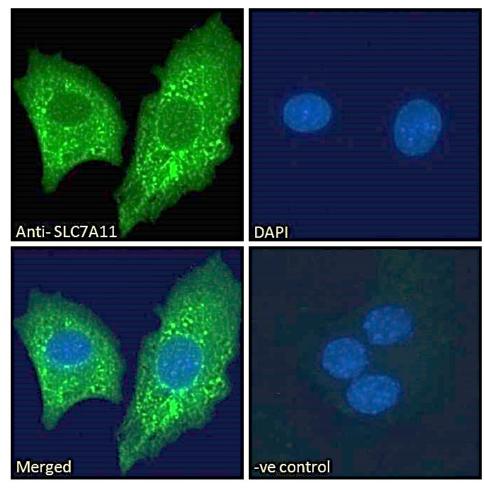
Peptide ELISA: antibody detection limit dilution 1:32000.

Immunofluorescence: Strong expression of the protein seen in vesicles of HepG2 cells and in vesicles/ER of A549 cells. Recommended concentration: 10µg/ml.

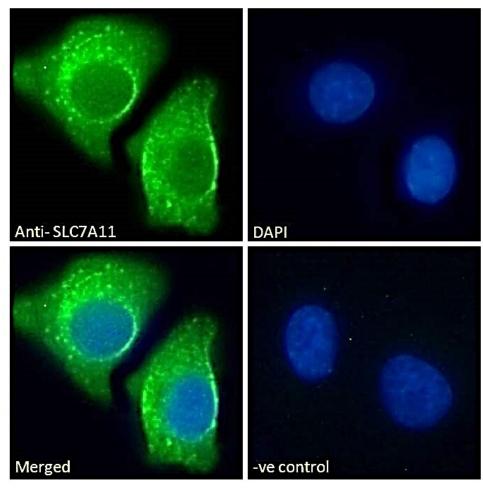
Species Reactivity

Tested: Human

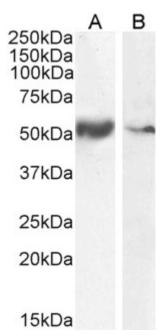
Expected from sequence similarity: Human



EB07480 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

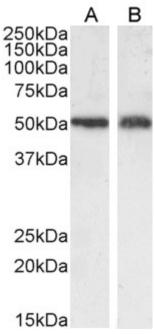


EB07480 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing vesicle/ER staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

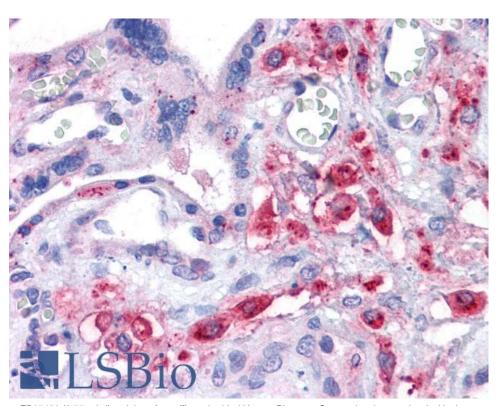


EB07480 (0.1μg/ml) staining of Human Smooth Muscle (A) and Tonsil (B) lysate (35μg protein in RIPA buffer).

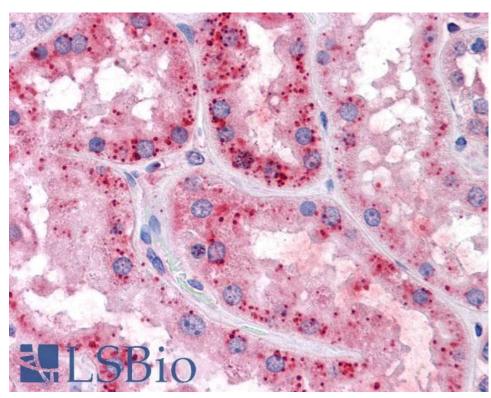
Detected by chemiluminescence. This data is from a previous batch, not on sale.



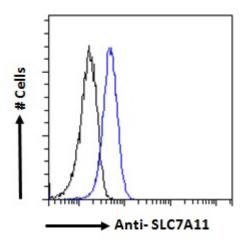
EB07480 (0.3μg/ml) staining of A549 (A) and U2OS (B) cell ysate (35μg protein in RIPA buffer). Detected by chemiluminescence.**This data is from a previous batch, not on sale.**



EB07480 (3.75µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**



EB07480 (3.75µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**



EB07480 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody. This data is from a previous batch, not on sale.