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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, CCB1, xCT, cystine/glutamate transporter

Official Symbol: SLC7A11

Accession Number(s): NP_055146.1

Human GeneID(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

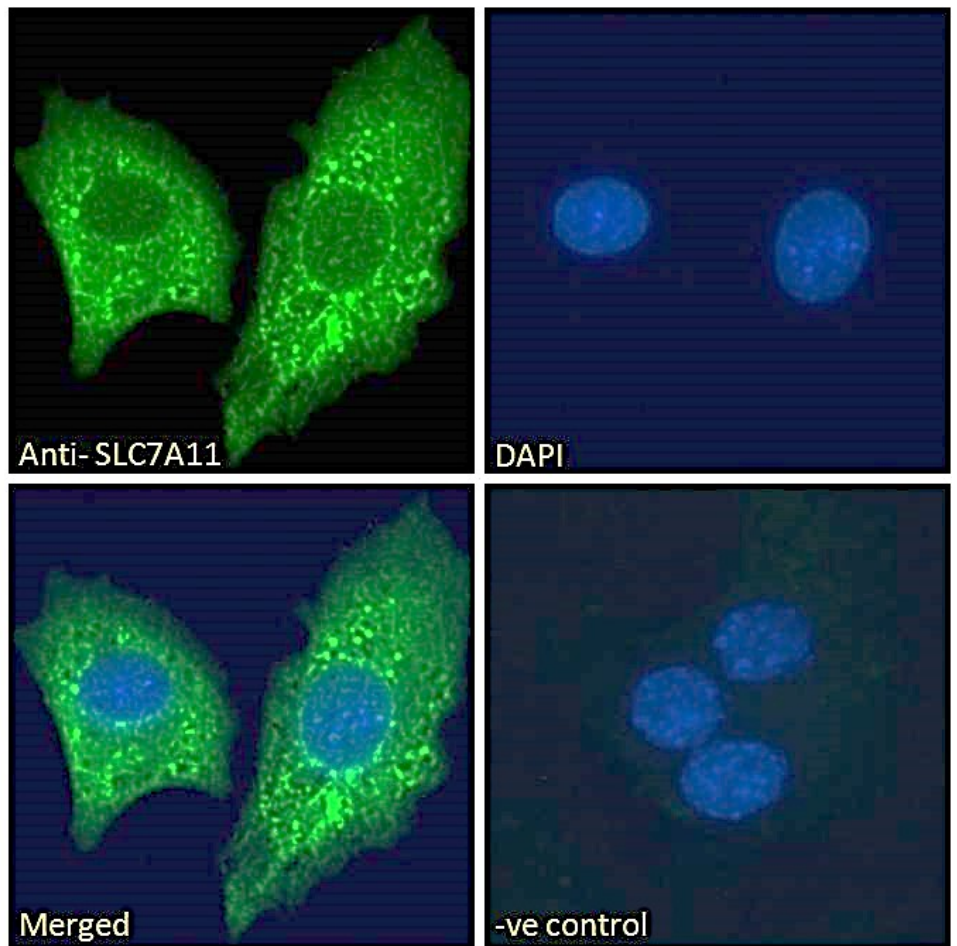
Peptide ELISA: antibody detection limit dilution 1:32000.

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

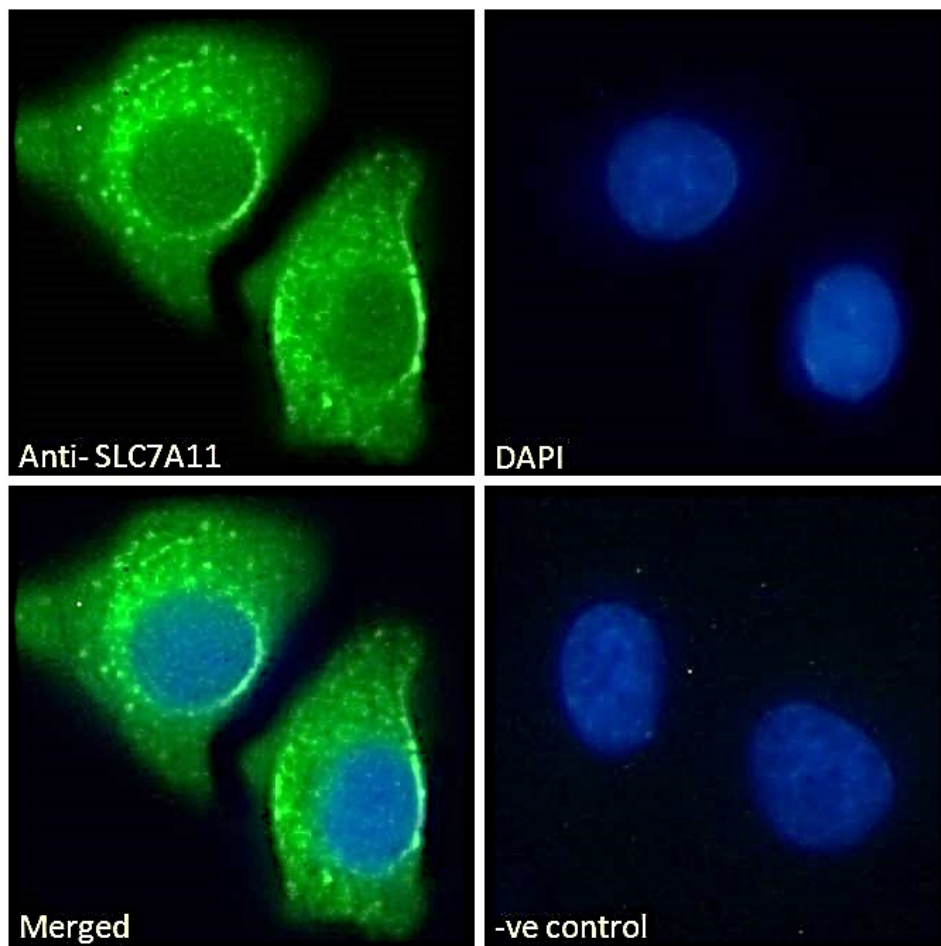
Species Reactivity

Tested: Human

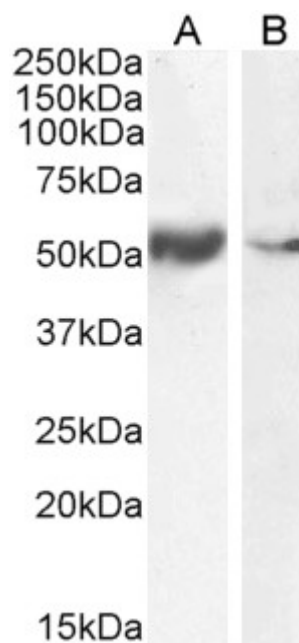
Expected from sequence similarity: Human



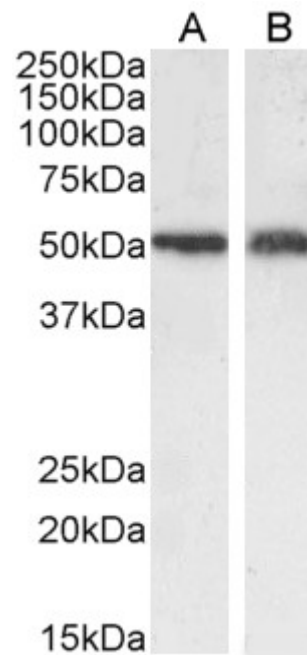
EB07480 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)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



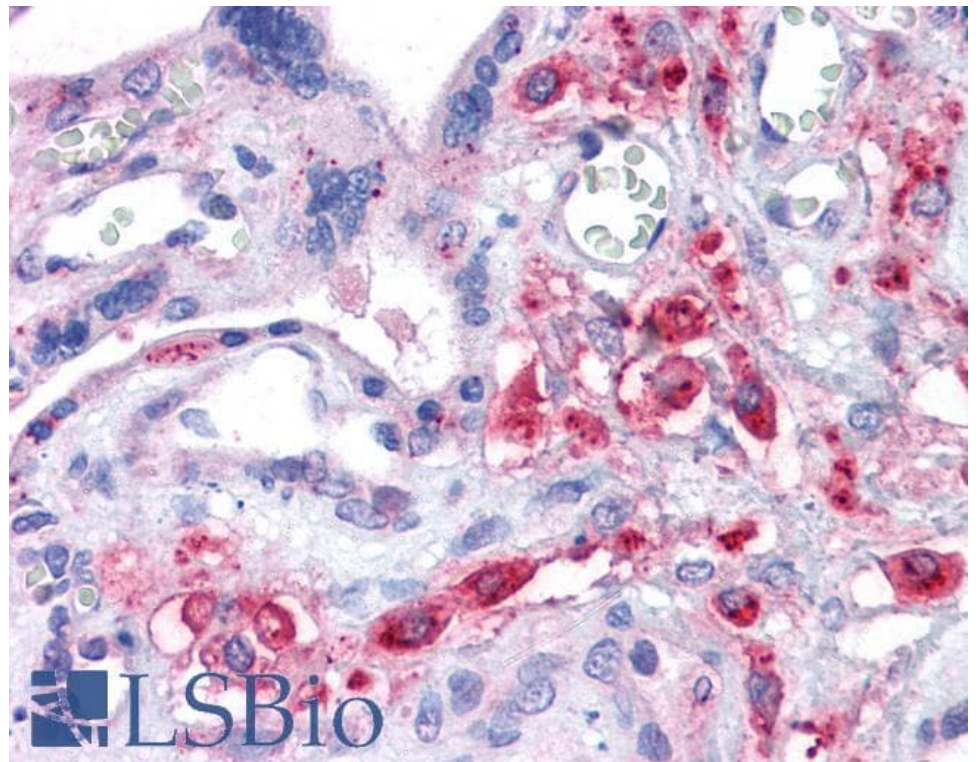
EB07480 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing vesicle/ER staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)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



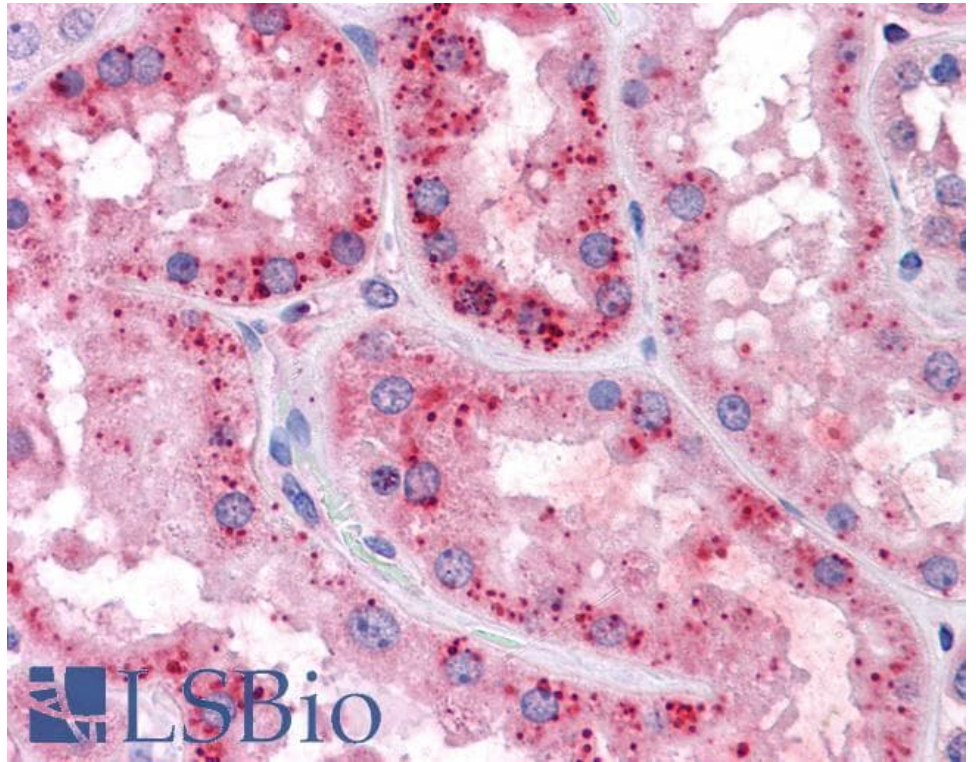
EB07480 (0.1µg/ml) staining of Human Smooth Muscle (A) and Tonsil (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence. **This data is from a previous batch, not on sale.**



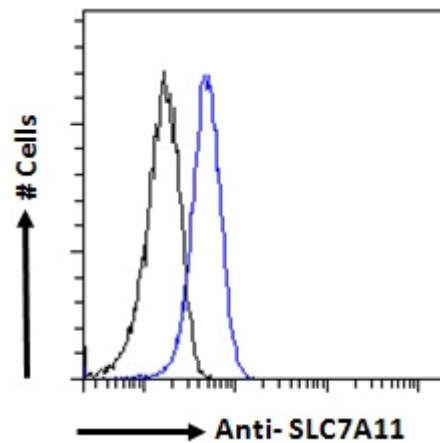
EB07480 (0.3µg/ml) staining of A549 (A) and U2OS (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence. **This data is from a previous batch, not on sale.**



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.**