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Research Use Only. Not for diagnostic or therapeutic use.

EB12056 - Goat Anti-SLC40A1 (aa245-259) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SLC40A1, solute carrier family 40 (iron-regulated transporter), member 1, FPN1, HFE4, IREG1, MST079, MTP1, SLC11A3, iron regulated gene 1, putative ferroportin 1 variant IIIB, solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3, solute carrier family 40 member 1

Official Symbol: SLC40A1

Accession Number(s): NP_055400.1

Human GeneID(s): 30061

Immunogen

Peptide with sequence C-ELKQLNLHKDTEPKP, from the internal region of the protein sequence according to NP_055400.1.

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 1:128000.

Western blot: Preliminary testing showed a band at approx 60kDa in Human Breast and Colonr lysate after 1-2µg/ml antibody staining (calculated MW of 62.5kDa according to NP_055400.1). Primary incubation 1 hour at room temperature.

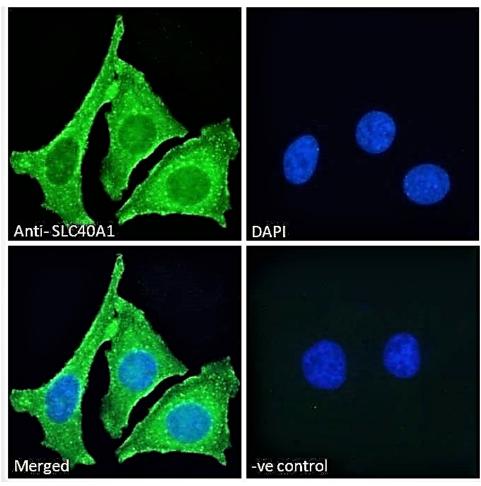
Immunofluorescence: Strong expression of the protein seen in the cytoplasm and plasma membranes of HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

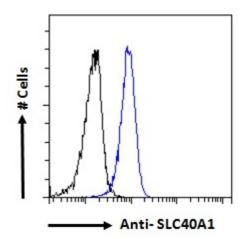
Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB12056 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12056 Flow cytometric analysis of paraformaldehyde fixed HeLa 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.