

Goat anti-SLC7A11 Antibody

Item Number	dAP-1070
Target Molecule	Principle Name: SLC7A11; Official Symbol: SLC7A11; All Names and Symbols: SLC7A11; solute carrier family 7, (cationic amino acid transporter, y+ system) member 11; CCBR1; xCT ; cystine/glutamate transporter; Accession Number (s): NP_055146.1; Human Gene ID(s): 23657; Non-Human GeneID(s):
Immunogen	KGQTQNFKDAFSGRD, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 50kDa band observed in Human Spleen lysates (calculated MW of 55.4kDa according to NP_055146.1). Recommended concentration: 0.02-0.06µg/ml. Primary incubation was 1 hour. A customer found positive results in WB on Rat spinal cord.
IHC	Immunohistochemistry: Paraffin embedded Human Placenta and Kidney. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Kaleeba JA, Berger EA. Kaposi's sarcoma-associated herpesvirus fusion-entry receptor: cystine transporter xCT. Science. 2006 Mar 31;311(5769):1921-4. PMID: 16574866 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**