



# Anti-SLC7A11 (aa 215-229) polyclonal antibody (DPABH-02066)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Sodium-independent, high-affinity exchange of anionic amino acids with high specificity for anionic form of cystine and glutamate.
<b>Immunogen</b>	Synthetic peptide: KGQTQNFKDAFSGRD by a Cysteine residue linker, corresponding to internal sequence amino acids 215-229 of Human xCT.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein G purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SLC7A11 solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 12 [ Homo sapiens ]</a>
<b>Official Symbol</b>	SLC7A11
<b>Synonyms</b>	SLC7A11; solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11; xCT; CCB1; cystine/glutamate transporter; amino acid transport system xc-; solute carrier family 7 member 11; calcium channel blocker resistance protein CCB1; solute carrier family 7, (cationic amino acid transporter, y+ system) member 11;
<b>Entrez Gene ID</b>	<a href="#">23657</a>
<b>Protein Refseq</b>	<a href="#">NP_055146.1</a>
<b>UniProt ID</b>	<a href="#">Q9UPY5</a>
<b>Pathway</b>	Amino acid transport across the plasma membrane; Cell surface interactions at the vascular wall; SLC-mediated transmembrane transport; Transport of inorganic cations/anions and amino acids/oligopeptides
<b>Function</b>	cystine:glutamate antiporter activity; protein binding;