



Anti-CTSS polyclonal antibody [Biotin] (DPABY-524)

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

PRODUCT INFORMATION

Antigen Description	Cathepsin S is a lysosomal cysteine protease of the papain family. Human Cathepsin S is synthesized as a preproenzyme of 331 amino acid residues consisting a signal peptide (residues 1 - 16), a pro region (residues 17 - 114), and the mature enzyme (residues 115 - 331).
Specificity	Detects human Cathepsin S in ELISAs and Western blots . In sandwich immunoassays, less than 0.05% cross-reactivity with recombinant human Cathepsin A, -B, -C, -D, E, L, V, and -X/Z/P is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Cathepsin S. Gln17-Ile331 Accession Number P25774
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, Immunohistochemistry, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	CTSS cathepsin S [Homo sapiens (human)]
Official Symbol	CTSS
Synonyms	CTSS; cathepsin S;
Entrez Gene ID	1520
Protein Refseq	NP_001186668
UniProt ID	P25774
Chromosome Location	1q21
Pathway	Adaptive Immune System; Antigen processing and presentation; Antigen processing-Cross presentation; Assembly of collagen fibrils and other multimeric structures; Class I MHC mediated antigen processing; presentation; Collagen formation; Degradation of the
Function	collagen binding; cysteine-type endopeptidase activity; fibronectin binding; laminin binding; proteoglycan binding;