



Anti-CTSL polyclonal antibody [Biotin] (DPABY-519)

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

PRODUCT INFORMATION

Antigen Description	Cathepsin L is a lysosomal cysteine protease expressed in most eukaryotic cells. Cathepsin L is known to hydrolyze a number of proteins, including the proform of urokinase-type plasminogen activator, which is activated by Cathepsin L cleavage. Cathepsin L has also been shown to proteolytically inactivate α1-antitrypsin and secretory leucoprotease inhibitor, two major protease inhibitors of the respiratory tract.
Specificity	Detects human Cathepsin L in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant mouse Cathepsin L, recombinant human (rh)Cathepsin A, rhCathepsin B, rhCathepsin C, rhCathepsin D, rhCathepsin E, rhCathepsin S, and rhCathepsin V is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Cathepsin L. Glu113-Val333 Accession Number P07711
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, 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	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

GENE INFORMATION

Gene Name	CTSL cathepsin L [Homo sapiens (human)]
Official Symbol	CTSL
Synonyms	CTSL; cathepsin L; MEP; CATL; CTSL1; cathepsin L1; major excreted protein;
Entrez Gene ID	1514
Protein Refseq	NP_001244900
UniProt ID	A0A024R276
Chromosome Location	9q21.33
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 degradation; Collagen formati
Function	collagen binding; cysteine-type endopeptidase activity; cysteine-type peptidase activity; fibronectin binding; histone binding; protein binding; proteoglycan binding;