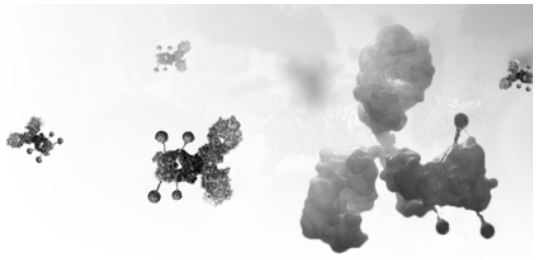

Anti-CTSL polyclonal antibody (DPABY-300)

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 a1-antitrypsin and secretory leucoprotease inhibitor, two major protease inhibitors of the respiratory tract.
Specificity	Detects human CathepsinL inELISAs and Western blots. In sandwich immunoassays, less than 0.2%cross-reactivitywith recombinant mouse CathepsinL, recombinant human (rh)CathepsinA, 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	Unconjugated
Applications	Western Blot, Immunohistochemistry, Immunoprecipitation, ELISA Capture (Matched Pair)
Format	Liquid
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

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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	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;

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