Datasheet for ABIN5692831

anti-Cathepsin E antibody (AA 150-393)

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Overview

Quantity:	100 µg
Target:	Cathepsin E (CTSE)
Binding Specificity:	AA 150-393
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cathepsin E antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Cathepsin E/CTSE Antibody Picoband®
Immunogen:	E. coli-derived human Cathepsin E recombinant protein (Position: A150-R393).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Cathepsin E/CTSE Antibody Picoband® (ABIN5692831). Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Target Details

Target:	Cathepsin E (CTSE)
Alternative Name:	CTSE (CTSE Products)
Background:	Synonyms: Cathepsin E, Cathepsin E form I, Cathepsin E form II, CTSE Tissue Specificity: Expressed abundantly in the stomach, the Clara cells of the lung and activated B-lymphocytes, and at lower levels in lymph nodes, skin and spleen. Not expressed in resting B- lymphocytes. Background: Cathepsin E is an enzyme that in humans is encoded by the CTSE gene. This gene encodes a member of the A1 family of peptidases. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme, an aspartic endopeptidase, may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration.
Molecular Weight:	48 kDa
Gene ID:	1510
UniProt:	P14091

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL 1. Azuma T, Pals G, Mohandas TK, Couvreur JM, Taggart RT (October 1989). "Human gastric cathepsin E. Predicted sequence, localization to chromosome 1, and sequence homology with other aspartic proteinases". The Journal of Biological Chemistry. 264 (28): 16748-53. 2. Couvreur JM, Azuma T, Miller DA, Rocchi M, Mohandas TK, Boudi FA, Taggart RT (Aug 1990). "Assignment of cathepsin E (CTSE) to human chromosome region 1q31 by in situ hybridization and analysis of somatic cell hybrids". Cytogenetics and Cell Genetics. 53 (2-3): 137-9.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.