

Cathepsin E Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51131

Product Information

Application	WB, IHC-P
Primary Accession	P14091
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42794

Additional Information

Gene ID	1510
Other Names	Cathepsin E, Cathepsin E form I, Cathepsin E form II, CTSE
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cathepsin E. The exact sequence is proprietary.
Dilution	WB~~1:1000 IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CTSE
Function	May have a role in immune function. Probably involved in the processing of antigenic peptides during MHC class II-mediated antigen presentation. May play a role in activation-induced lymphocyte depletion in the thymus, and in neuronal degeneration and glial cell activation in the brain.
Cellular Location	Endosome. Note=The proenzyme is localized to the endoplasmic reticulum and Golgi apparatus, while the mature enzyme is localized to the endosome
Tissue Location	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

May have a role in immune function. Probably involved in the processing of antigenic peptides during MHC class II-mediated antigen presentation. May play a role in activation-induced lymphocyte depletion in the thymus, and in neuronal degeneration and glial cell activation in the brain.

References

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Azuma T.,et al.J. Biol. Chem. 267:1609-1614(1992).
Finley E.M.,et al.J. Biol. Chem. 269:31259-31266(1994).
Tatnell P.J.,et al.Biochim. Biophys. Acta 1625:203-206(2003).
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