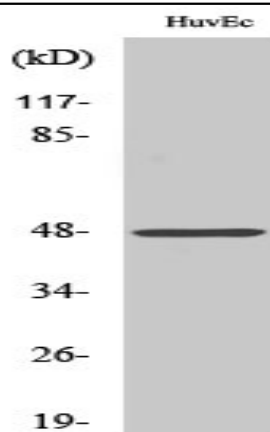


Cathepsin E Polyclonal Antibody

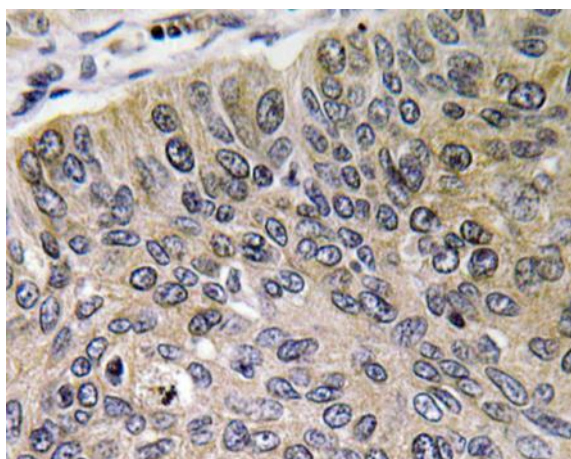
Catalog No :	YT0682
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Cathepsin E
Fields :	>>Lysosome
Gene Name :	CTSE
Protein Name :	Cathepsin E
Human Gene Id :	1510
Human Swiss Prot No :	P14091
Mouse Gene Id :	13034
Mouse Swiss Prot No :	P70269
Rat Gene Id :	25424
Rat Swiss Prot No :	P16228
Immunogen :	The antiserum was produced against synthesized peptide derived from human Cathepsin E. AA range:243-292
Specificity :	Cathepsin E Polyclonal Antibody detects endogenous levels of Cathepsin E protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	48kD
Cell Pathway :	Lysosome;
Background :	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. [provided by RefSeq, Nov 2015],
Function :	catalytic activity:Similar to cathepsin D, but slightly broader specificity.,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.,PTM:Glycosylated. The nature of the carbohydrate chain varies between cell types. In fibroblasts, the proenzyme contains a high mannose-type oligosaccharide, while the mature enzyme contains a complex-type oligosaccharide. In erythrocyte membranes, both the proenzyme and mature enzyme contain a complex-type oligosaccharide.,PTM:Two forms are produced by autocatalytic cleavage, form I begins at Ile-54, form II begins at Thr-57.,similarity:Belongs to the peptidase A1 family.,subcellular location:The proenzyme is localized
Subcellular Location :	Endosome . The proenzyme is localized to the endoplasmic reticulum and Golgi apparatus, while the mature enzyme is localized to the endosome.
Expression :	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.

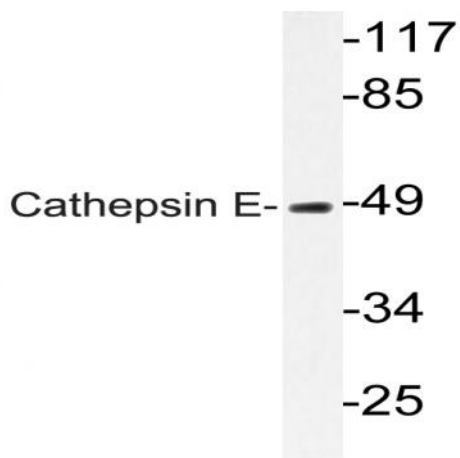
Products Images



Western Blot analysis of various cells using Cathepsin E Polyclonal Antibody



Immunohistochemistry analysis of Cathepsin E antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from HUVEC cells, using Cathepsin E antibody.