

Rabbit Cathepsin E Polyclonal Antibody | anti-CTSE antibody

Cathepsin E Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321851	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Cathepsin E; Polyclonal Antibody; Cathepsin E Antibody; CATE; CATE_HUMAN; Cathepsin E form II; CTSE; Erythrocyte membrane aspartic proteinase; Slow moving proteinase; anti-CTSE antibody

PRODUCT SPECIFICATIONS

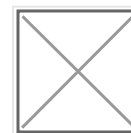
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	288
Applicable Applications for anti-CTSE antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cathepsin E, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



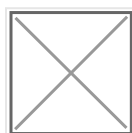
IF (Immunofluorescence)

AAA321851 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab (Cat #AAA321851) and mouse anti-beta tubulin Ab (Cat for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI (blue).



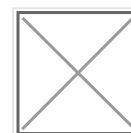
IHC (Immunohistochemistry)

AAA321851 at 1/100 staining Rat ovarian tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4 degree C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



WB (Western Blot)

Western blot analysis of extracts from Mouse liver, using Cathepsin E Ab. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of Cathepsin E expression in HUVEC cells



IHC (Immunohistochemistry)

AAA321851 at 1/100 staining human Stomach tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CTSE antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	955471905
NCBI GeneID	1510
NCBI Accession #	NP_001304260.1
NCBI GenBank Nucleotide #	NM_001317331.1
UniProt Accession #	P14091; Q5TZ01; Q5TZ02; Q9NY58; Q9UCE3; Q9UCE4
Molecular Weight	43 kDa
NCBI Official Full Name	cathepsin E isoform c
NCBI Official Synonym Full Names	cathepsin E
NCBI Official Symbol	CTSE
NCBI Official Synonym Symbols	CATE
NCBI Protein Information	cathepsin E
UniProt Protein Name	Cathepsin E
UniProt Gene Name	CTSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cathepsin-e-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321851>