

Rabbit anti-Human, mouse CTSE Polyclonal Antibody | anti-CTSE antibody

CTSE Antibody (Center)

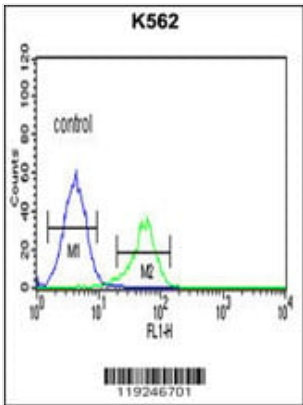
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285129	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

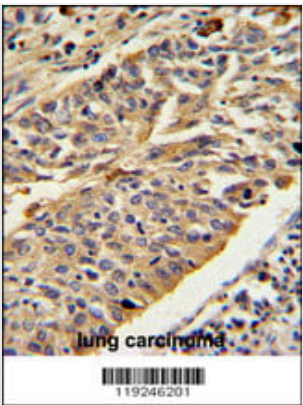
CTSE; Polyclonal Antibody; CTSE Antibody (Center); Cathepsin E; Cathepsin E form I; Cathepsin E form II; anti-CTSE antibody

PRODUCT SPECIFICATIONS

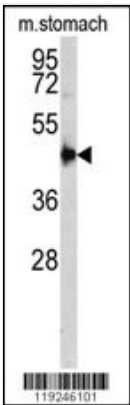
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CTSE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 157-187 amino acids from the Central region of human CTSE.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	157-187
Sequence Length	363
Applicable Applications for anti-CTSE antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



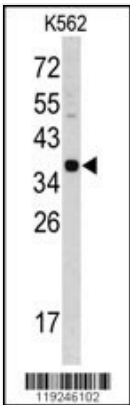
FCM/FACS (Flow Cytometry)
CTSE Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
CTSE Antibody (Center) IHC analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CTSE Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CTSE antibody (Center) in mouse stomach tissue lysates (35ug/lane).CTSE(arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of CTSE antibody (Center) in K562 cell line lysates (35ug/lane).CTSE(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CTSE antibody	CTSE is a gastric aspartyl protease that functions as a disulfide-linked homodimer. This protease, which is a member of the peptidase C1 family, has a specificity similar to that of pepsin A and cathepsin D. It is an intracellular proteinase that does not appear to be involved in the digestion of dietary protein and is found in highest concentration in the surface of epithelial mucus-producing cells of the stomach. It is the first aspartic proteinase expressed in the fetal stomach and is found in more than half of gastric cancers. It appears, therefore, to be an oncofetal antigen.
Product Categories/Family for anti-CTSE antibody	Immunology
References	Caruso,M., Virchows Arch. 454 (3), 291-302 (2009) Burster,T., Biochem. Biophys. Res. Commun. 377 (4), 1299-1303 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503145
NCBI GeneID	1510
NCBI Accession #	NP_001901.1; NP_683865.1
NCBI GenBank Nucleotide #	NM_001910.3

UniProt Accession #	P14091 ; Q5TZ01 ; Q5TZ02 ; Q9NY58 ; Q9UCE3 ; Q9UCE4
Molecular Weight	43312
NCBI Official Full Name	cathepsin E isoform a preproprotein
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
UniProt Entry Name	CATE_HUMAN

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://www.aaabiotech.com/polyclonal/ctse-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285129>