CTSF Antibody (Center D276)

Catalog_no： AB2404

Reactivity： H

Category： 抗原抗体

Size： 100μL/50μL

Immunogen： HUMAN:261-290

Specificity： This CTSF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 261-290 amino acids from the Central region of human CTSF.

Dilution： WB,1:1000;IHC-P,1:50~100;FC,1:10~50;

Purification： 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.

Other_name： Cathepsin F, CATSF, CTSF

Isotype： Rabbit Ig

Background： Cathepsins are papain family cysteine proteinases that represent a major component of the lysosomal proteolytic system. Cathepsins generally contain a signal sequence, followed by a propeptide and then a catalytically active mature region. The very long (251 amino acid residues) proregion of the cathepsin F precursor contains a C-terminal domain similar to the pro-segment of cathepsin L-like enzymes, a 50-residue flexible linker peptide, and an N-terminal domain predicted to adopt a cystatin-like fold. The cathepsin F proregion is unique within the papain family cysteine proteases in that it contains this additional N-terminal segment predicted to share structural similarities with cysteine protease inhibitors of the cystatin superfamily. This cystatin-like domain contains some of the elements known to be important for inhibitory activity. CTSF is a predicted protein of 484 amino acids which contains a 19 residue signal peptide. Cathepsin F contains five potential N-glycosylation sites, and it may be targeted to the endosomal/lysosomal compartment via the mannose 6-phosphate receptor pathway.

reference： Kaakinen,R., Atherosclerosis 192 (2), 323-327 (2007) Oorni,K., J. Biol. Chem. 279 (33), 34776-34784 (2004)