

DNAxPAb

Hard-to-Find
Antibody

CTSF DNAxPab

Catalog # H00008722-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CTSF DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAPWLQLLSLLGLLPGAVAAPAQPRASFQAWGPPSPELLAPTRFALEMFNRGRAAGTRAVLG LVRGRVRRAGQGSLSLEATLEPPCNDPMVCRLPVSKTLLCSFQVLDELGRHVLLRKDCGPV DTKVPGAGEPKSAFTQGSAMISSLSQNHDPNRNETFSSVISLLNEDPLSQDLVPKMASIFKNFVIT YNRTYESKEEARWRLSVFVNNMVRAQKIQALDRGTAQYGVTKFSDLTEEEFRTIYLNLLRKEPGN KMKQAKSVGDLAPPEWDWRSGAVTKVKDQGMCGSCWAFSVTGNVEGQWFLNQGTLLSLSE QELLDCDKMDKACMGGLPSNAYSIAKNLGLETTDDYSYQGHMQSCNFSAEKAKVYINDSVELS QNEQKLAAWLAKRGPISVAINAFGMQFYRHGISRPLRPLCSPWLIDHAVLLVGYGNRSDVPFWAIK NSWGTDWGEKGYYYLHRGSGACGVNTMASSAVVD
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CTSF

Entrez GeneID	8722
GeneBank Accession#	NM_003793.3
Protein Accession#	NP_003784.2
Gene Name	CTSF
Gene Alias	CATSF
Gene Description	cathepsin F
Omim ID	603539
Gene Ontology	Hyperlink

Gene Summary

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 encodes 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. The cathepsin F gene is ubiquitously expressed, and it maps to chromosome 11q13, close to the gene encoding cathepsin W. [provided by RefSeq]

Other Designations	-
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Pathway

- [Lysosome](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)