DNAxPAb | Hard-to-Find Antibody

CTSC DNAxPab

Catalog # H00001075-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CTSC DNA using DNAx™ Immune tec hnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MGAGPSLLLAALLLLLSGDGAVRCDTPANCTYLDLLGTWVFQVGSSGSQRDVNCSVMGPQEKK VVVYLQKLDTAYDDLGNSGHFTIIYNQGFEIVLNDYKWFAFFKYKEEGSKVTTYCNETMTGWVHDV LGRNWACFTGKKVGTASENVYVNTAHLKNSQEKYSNRLYKYDHNFVKAINAIQKSWTATTYMEYE TLTLGDMIRRSGGHSRKIPRPKPAPLTAEIQQKILHLPTSWDWRNVHGINFVSPVRNQASCGSCYS FASMGMLEARIRILTNNSQTPILSPQEVVSCSQYAQGCEGGFPYLIAGKYAQDFGLVEEACFPYTG TDSPCKMKEDCFRYYSSEYHYVGGFYGGCNEALMKLELVHHGPMAVAFEVYDDFLHYKKGIYHH TGLRDPFNPFELTNHAVLLVGYGTDSASGMDYWIVKNSWGTGWGENGYFRIRRGTDECAIESIAV AATPIPKL
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 — CTSC

Entrez GeneID	1075
GeneBank Accession#	NM_001814.2
Protein Accession#	NP_001805.1
Gene Name	CTSC
Gene Alias	CPPI, DPP1, DPPI, HMS, JP, JPD, PALS, PLS
Gene Description	cathepsin C
Omim ID	170650 245000 245010 602365
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that appears to be a central coordinator for activation of many serine proteinases in im mune/inflammatory cells. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor, and a residual portion of the propeptide acts as an intra molecular chaperone for the folding and stabilization of the mature enzyme. This enzyme requires chloride ions for activity and can degrade glucagon. Defects in the encoded protein have been sh own to be a cause of Papillon-Lefevre syndrome, an autosomal recessive disorder characterized by palmoplantar keratosis and periodontitis. Multiple transcript variants encoding different isoform s have been found for this gene. [provided by RefSeq
Other Designations	cathepsin J|dipeptidyl transferase|dipeptidyl-peptidase I

Pathway

- Lysosome

Disease

- Acute Disease
- Cardiovascular Diseases

- Chronic Disease
- Genetic Predisposition to Disease
- Inflammation
- Liver Diseases
- Periodontitis