

DNAxPAb

Hard-to-Find
Antibody

CTSB DNAxPab

Catalog # H00001508-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CTSB DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MWQLWASLCCLLVLANARSRPSFHPLSDELVNYVNRNTTWQAGHNFYNVDMSYLRKLCGTFL GGPKPPQRMFTEDLKLPASFDAREQWPQCPTIKEIRDQGSCGSCWAFGAVEAISDRICHTNAH VSVEVSAEDLLTCCGSMCGDGCNGGYPAEAWNFWTRKGLVSGGLYESHVGCPRYSIPPCEHH VNGSRPPCTGEGDTPKCSKICEPGYSPTYKQDKHYGNSYSVSNSEKDIMAEMYKNGPVEGAFSV YSDFLLYKSGVYQHVTGEMMGHAIKILGWGVENGTPYWLANSWNTDWGDNGFFKILRGQDHC GIESEVVAGIPRTDQYWEKI
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 — CTSB

Entrez GeneID [1508](#)

GeneBank Accession# [NM_001908.3](#)

Protein Accession# [NP_001899.1](#)

Gene Name CTSB

Gene Alias APPS, CPSB

Gene Description cathepsin B

Omim ID [116810](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a lysosomal cysteine proteinase composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. It is also known as amyloid precursor protein secretase and is involved in the proteolytic processing of amyloid precursor protein (APP). Incomplete proteolytic processing of APP has been suggested to be a causative factor in Alzheimer disease, the most common cause of dementia. Overexpression of the encoded protein, which is a member of the peptidase C1 family, has been associated with esophageal adenocarcinoma and other tumors. At least five transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations APP secretase|OTTHUMP00000116009|amyloid precursor protein secretase|cathepsin B1|cysteine protease|preprocathepsin B

Pathway

- [Antigen processing and presentation](#)
- [Lysosome](#)

Disease

- [Adenocarcinoma](#)
- [Calcinosis](#)

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Pancreatitis](#)
- [Prostatic Neoplasms](#)
- [Urinary Bladder Neoplasms](#)