Chymotrypsinogen B1 (CTRB1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Chymotrypsinogen B1 (CTRB1), Polyclonal Antibody
Full Product Name	Biotin-Linked Polyclonal Antibody to Chymotrypsinogen B1 (CTRB1)
Product Gene Name	anti-CTRB1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: CTRB1 (MBS2026037) Biotin Conjugated Antibody: CTRB1 (MBS2095678)
Matching Pairs	Biotin Conjugated Antibody: CTRB1 (MBS2095678) Immunogen: CTRB1 (MBS2031745)
Molecular Weight	27,713 Da
OMIM	M24400 mRNA
3D Structure	ModBase 3D Structure for P17538
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Conjugation	Biotin
Cross Reactivity	Human
Immunogen	CTRB1 (Ile34~Ala261)
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-CTRB1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-CTRB1 antibody	MBS2095678 is an antibody targeting CTRB1. Also known as Biotin-Linked Polyclonal Antibody to Chymotrypsinogen B1 (CTRB1). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-CTRB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CTRB1. It may not necessarily be applicable to this product.

NCBI GI #	118498341
NCBI GeneID	1504
NCBI Accession #	NP_001897.4
UniProt Primary Accession #	P17538
UniProt Related Accession #	P17538

GenBank Nucleotide #	NM_001906.5
NCBI Official Full Name	chymotrypsinogen B isoform 1
NCBI Official Synonym Full Names	chymotrypsinogen B1
NCBI Official Symbol	CTRB1
NCBI Official Synonym Symbols	CTRB
UniProt Protein Name	Chymotrypsinogen B
Protein Family	Chymotrypsinogen
UniProt Gene Name	CTRB1
NCBI Protein Information	chymotrypsinogen B
NCBI Summary for CTRB1	This gene encodes a member of the serine protease family of enzymes and forms a principal precursor of the pancreatic proteolytic enzymes. The encoded preproprotein is synthesized in the acinar cells of the pancreas and secreted into the small intestine where it undergoes proteolytic activation to generate a functional enzyme. This gene is located adjacent to a related chymotrypsinogen gene. This gene encodes distinct isoforms, some or all of which may undergo similar processing to generate the mature protein. [provided by RefSeq, Jul 2016]
UniProt Comments for CTRB1	CTRB1: is one of a family of serine proteases that is secreted into the gastrointestinal tract as an inactive precursor, which is activated by proteolytic cleavage with trypsin. [provided by RefSeq, Oct 2011] Protein type: Apoptosis; EC 3.4.21.1; Protease; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 16q23.1 Cellular Component: extracellular region; extracellular space Molecular Function: serine-type endopeptidase activity; serine-type peptidase activity Biological Process: cobalamin metabolic process; digestion; extracellular matrix disassembly; proteolysis
Research Articles on CTRB1	**1.** Two protective, low-frequency, non-synonymous variants were significantly associated with a decrease in age-related macular degeneration (AMD)risk: A307V in PELI3 and N1050Y in CFH .We also identified a strong protective signal for a common variant (rs8056814) near CTRB1 associated with a decrease in AMD risk (logistic regression: OR = 0.71, P = 1.8 x 10-07).
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