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CTRB1 Rabbit pAb

Catalog # AP98572

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P17538
Other Accession	P17538
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27713
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Chymotrypsin B chain B
Epitope Specificity	121-230/263
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the peptidase S1 family.Contains 1 peptidase S1 domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Chymotrypsins are digestive enzymes that can perform proteolysis by cleaving peptides at the carboxyl side of tyrosine, tryptophan, leucine and phenylalanine, although over time they can also hydrolyze other amide bonds, especially those with leucine-donated carboxyls. Chymotrypsins cleave peptide bonds by attacking the non-reactive carbonyl group with a powerful nucleophile, which momentarily becomes covalently bonded to the substrate to form an intermediate. Chymotrypsin B (CTRB1) and Chymotrypsin B2 (CTRB2) are synthesized in the pancreas by protein biosynthesis as precursors that are enzymatically inactive, but become active as three polypeptide molecules that are interconnected by disulfide bonds.

Additional Information

Gene ID	1504
Other Names	CTRB1_HUMAN; CTRB1; 3.4.21.1; CTRB; CTRB1_MOUSE; CTRB1_RAT; chymotrypsinogen B1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CTRB1 (HGNC:2521)
Cellular Location	Secreted, extracellular space.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.