

Rabbit anti-Human, Rat CTRC Polyclonal Antibody | anti-CTRC antibody

Anti-CTRC Antibody Picoband

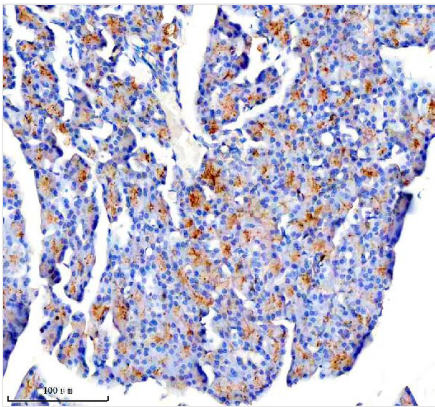
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128242	Rabbit	Human, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

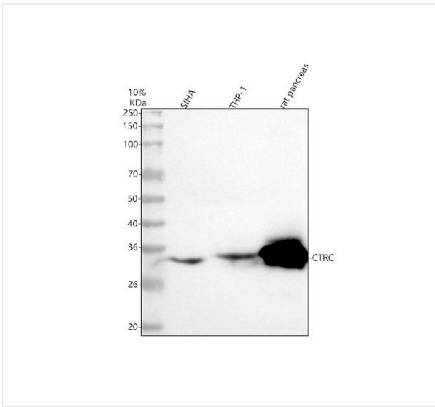
CTRC; Polyclonal Antibody; Anti-CTRC Antibody Picoband; Chymotrypsin-C; chymotrypsin C; CLCR; EC 3.4.21.2; Caldecrin; anti-CTRC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-CTRC antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CTRC, which shares 86.4% amino acid (aa) sequence identity with both mouse and rat CTRC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of CTRC using anti-CTRC antibody (AAA128242).CTRC was detected in a paraffin-embedded section of rat pancreas tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-CTRC Antibody (AAA128242) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of CTRC using anti-CTRC antibody (AAA128242).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human SiHa whole cell lysates,Lane 2: human THP-1 whole cell lysates,Lane 3: rat pancreas tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CTRC antigen affinity purified polyclonal antibody (AAA128242) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CTRC at approximately 34 kDa. The expected band size for CTRC is at 29 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CTRC antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-CTRC antibody	Primary Antibodies
References	1. Kang, J., Wiegand, U., Muller-Hill, B. Identification of cDNAs encoding two novel rat pancreatic serine proteases. Gene 110: 181-187, 1992.2. Masson, E., Chen, J.-M., Scotet, V., Le Marechal, C., Ferec, C. Association of rare chymotrypsinogen C (CTRC) gene variations in patients with idiopathic chronic pancreatitis. Hum. Genet. 123: 83-91, 2008.3. Rosendahl, J., Witt, H., Szmola, R., Bhatia, E., Ozsvari, B., Landt, O., Schulz, H.-U., Gress, T. M., Ptufzer, R., Lohr, M., Kovacs, P., Bluher, M., and 22 others. Chymotrypsin C (CTRC) variants that diminish activity or secretion are associated with chronic pancreatitis. Nature Genet. 40: 78-82, 2008.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62526043
NCBI GeneID	11330
NCBI Accession #	NP_009203.2
NCBI GenBank Nucleotide #	NM_007272.2
UniProt Accession #	Q99895; O00765; Q9NUH5; A8K082
Molecular Weight	25,000
NCBI Official Full Name	chymotrypsin-C preproprotein
NCBI Official Synonym Full Names	chymotrypsin C (caldecrin)
NCBI Official Symbol	CTRC

NCBI Official Synonym Symbols	CLCR; ELA4
NCBI Protein Information	chymotrypsin-C; caldecrin; elastase 4; elastase IV; serum calcium decreasing factor
UniProt Protein Name	Chymotrypsin-C
UniProt Gene Name	CTRC
UniProt Synonym Gene Names	CLCR
UniProt Entry Name	CTRC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctrc-antibody-immunohistochemistry-western-blot-elisa/128242>