

Rabbit Chymotrypsin Polyclonal Antibody | anti-CTRC antibody

Chymotrypsin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329182	Rabbit	Human, Mouse, Rat	ELISA

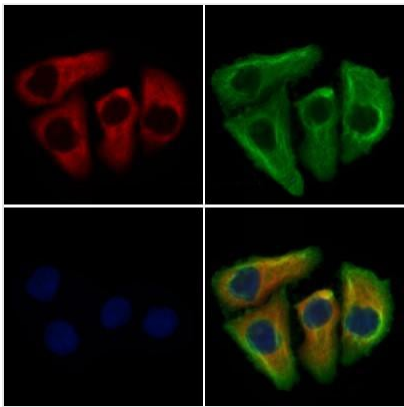
PRODUCT SYNONYMS

Chymotrypsin; Polyclonal Antibody; Chymotrypsin Antibody; Caldecrin; Chymotrypsin C; Chymotrypsin-C; ChymotrypsinC; CLCR; Ctrc; CTRC_HUMAN; ELA 4; ELA4; Elastase 4; Elastase IV; Elastase4; ElastaseIV; OTTHUMP00000044526; Serum calcium decreasing factor; anti-CTRC antibody

PRODUCT SPECIFICATIONS

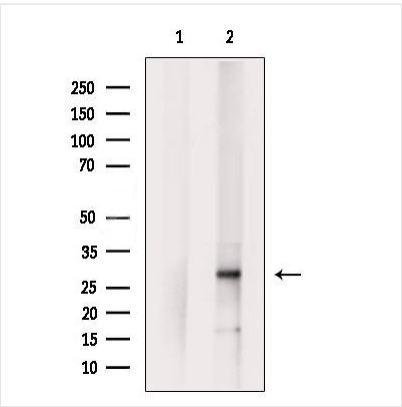
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Chymotrypsin Antibody detects endogenous levels of total Chymotrypsin.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	268
Applicable Applications for anti-CTRC antibody	ELISA
Immunogen	A synthesized peptide derived from human Chymotrypsin, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



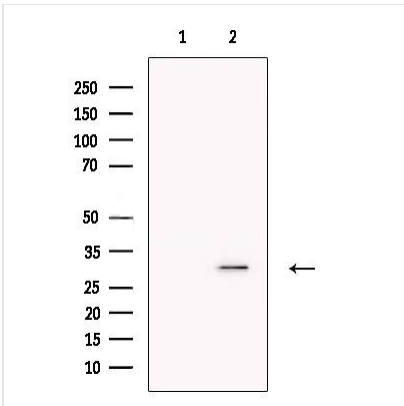
IF (Immunofluorescence)

AAA329182 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329182 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from B16F10 cells, using Chymotrypsin Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from Human pancreas, using Chymotrypsin Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CTRC antibody	Function: Regulates activation and degradation of trypsinogens and procarboxypeptidases by targeting specific cleavage sites within their zymogen precursors. Has chymotrypsin-type protease activity and hypocalcemic activity.
	Tissue Specificity: Pancreas.
	Similarity: Belongs to the peptidase S1 family. Elastase subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62526043
NCBI GeneID	11330
NCBI Accession #	NP_009203.2
NCBI GenBank Nucleotide #	NP_009203.2
UniProt Accession #	Q99895
Molecular Weight	Observed Molecular Weight: (Observed)29kD. Predicted Molecular Weight: (Calculated)29kDa.

NCBI Official Full Name	chymotrypsin-C preproprotein
NCBI Official Synonym Full Names	chymotrypsin C
NCBI Official Symbol	CTRC
NCBI Official Synonym Symbols	CLCR; ELA4
NCBI Protein Information	chymotrypsin-C
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chymotrypsin-antibody-elisa/329182>