

Rabbit Cathepsin G Polyclonal Antibody | anti-CTSG antibody

Cathepsin G Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321841	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

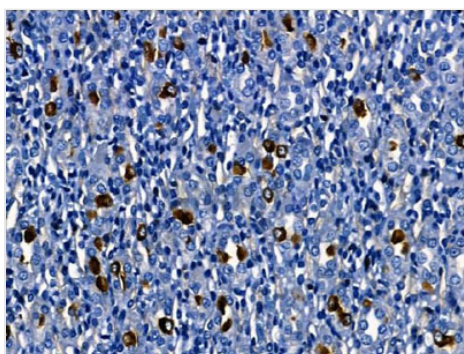
PRODUCT SYNONYMS

Cathepsin G; Polyclonal Antibody; Cathepsin G Antibody; CATG; CATG_HUMAN; Cathepsin G precursor; CathepsinG; CG; Ctsg; CTSG protein; MGC23078; anti-CTSG antibody

PRODUCT SPECIFICATIONS

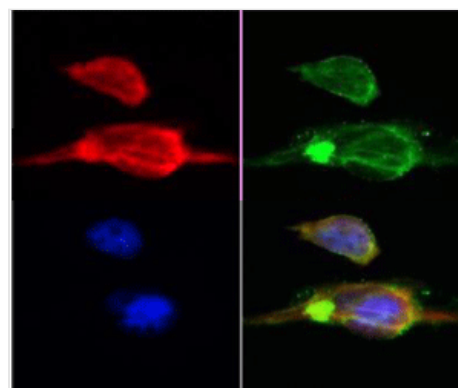
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cathepsin G antibody detects endogenous levels of total Cathepsin G
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	255
Applicable Applications for anti-CTSG antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cathepsin G, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



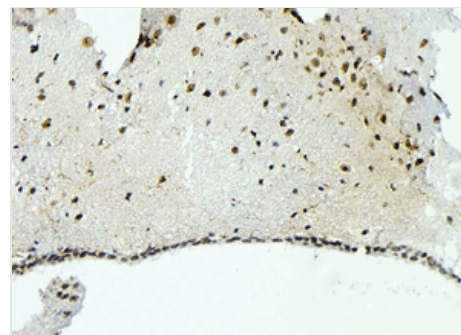
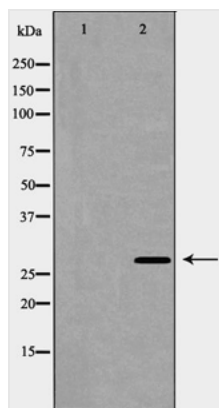
IF (Immunofluorescence)

AAA321841 at 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IF (Immunofluorescence)

AAA321841 staining HeLa 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 25°C. Samples were then incubated with primary Ab(AAA321841 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°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 Ab.



IHC (Immunohistochemistry)

AAA321841 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)

Western blot analysis of Cathepsin G expression in COLO cells, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CTSG antibody

Description: Serine protease with trypsin-and chymotrypsin-like specificity. Cleaves complement C3. Has antibacterial activity against the Gram-negative bacterium *P.aeruginosa*, antibacterial activity is inhibited by LPS from *P.aeruginosa*, Z-Gly-Leu-Phe-CH₂Cl and phenylmethylsulfonyl fluoride.
Subunit Structure: (Microbial infection) Interacts with *M.tuberculosis* protein Rv3364c.
Similarity: Belongs to the peptidase S1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503149
NCBI GeneID	1511
NCBI Accession #	NP_001902.1
NCBI GenBank Nucleotide #	NM_001911.2
UniProt Accession #	P08311; Q6IBJ6; Q9UCA5; Q9UCU6
Molecular Weight	28 kDa
NCBI Official Full Name	cathepsin G preproprotein
NCBI Official Synonym Full Names	cathepsin G
NCBI Official Symbol	CTSG
NCBI Official Synonym Symbols	CG; CATG
NCBI Protein Information	cathepsin G
UniProt Protein Name	Cathepsin G
UniProt Gene Name	CTSG
UniProt Synonym Gene Names	CG

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/cathepsin-g-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321841>