

Rabbit CTSA Polyclonal Antibody | anti-CTSA antibody

CTSA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327082	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

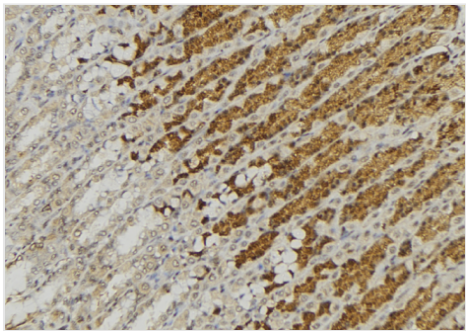
PRODUCT SYNONYMS

CTSA; Polyclonal Antibody; CTSA Antibody; beta galactosidase 2; BETA GALACTOSIDASE PROTECTIVE PROTEIN; beta-galactosidase 2; beta-galactosidase protective protein; betagalactosidase 2; Carboxypeptidase C; Carboxypeptidase L; carboxypeptidase Y-like kinase; Cathepsin A; Ctsa; deamidase; EC 3.4.16.5; Glactosialidosis; GLB2; Goldberg Syndrome; GSL; lysosomal carboxypeptidase A; Lysosomal protective protein 20 kDa chain; Lysosomal protective protein; Lysosomal protective protein deficiency; NEURAMINIDASE BETA GALACTOSIDASE EXPRESSION; NGBE; Neuraminidase deficiency with beta-galactosidase deficiency; OTTHUMP00000031778; OTTHUMP00000031781; PPCA; PPCA deficiency; PPGB; PPGB_HUMAN; Protective protein cathepsin A; Protective protein for beta galactosidase; Protective protein for beta-galactosidase; Protective protein/cathepsin A deficiency; urinary kinase; anti-CTSA antibody

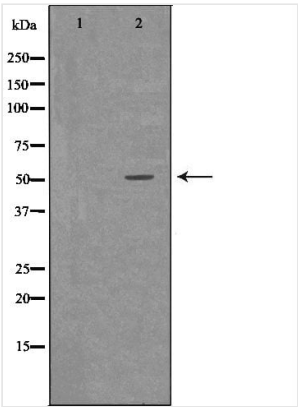
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CTSA antibody detects endogenous levels of total CTSA
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	498
Applicable Applications for anti-CTSA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CTSA
Subcellular Location	Lysosome.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327082 at 1/100 staining Human gastric 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 Hepg2 whole cell lysates, using CTSA Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CTSA antibody

Description: This gene encodes a glycoprotein which associates with lysosomal enzymes beta-galactosidase and neuraminidase to form a complex of high molecular weight multimers. The formation of this complex provides a protective role for stability and activity. Deficiencies in this gene are linked to multiple forms of galactosialidosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Function: Protective protein appears to be essential for both the activity of beta-galactosidase and neuraminidase, it associates with these enzymes and exerts a protective function necessary for their stability and activity. This protein is also a carboxypeptidase and can deamidate tachykinins.

Subunit Structure: Heterodimer of a 32 kDa chain and a 20 kDa chain; disulfide-linked.

Similarity: Belongs to the peptidase S10 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395729
NCBI GeneID	5476
NCBI Accession #	NP_000299.2
NCBI GenBank Nucleotide #	NM_000308.3
UniProt Accession #	P10619; Q561W6; Q5JZH1; Q96KJ2; Q9BR08; Q9BW68; B2R798
Molecular Weight	Observed: 54 kDa Predicted: 55 kDa
NCBI Official Full Name	lysosomal protective protein isoform a
NCBI Official Synonym Full Names	cathepsin A
NCBI Official Symbol	CTSA
NCBI Official Synonym Symbols	GSL; GLB2; NGBE; PPCA; PPGB
NCBI Protein Information	lysosomal protective protein
UniProt Protein Name	Lysosomal protective protein
UniProt Gene Name	CTSA
UniProt Synonym Gene Names	PPGB; PPCA

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.

