

Rabbit anti-Human, mouse CTSA Polyclonal Antibody | anti-CTSA antibody

CTSA Antibody (N-term)

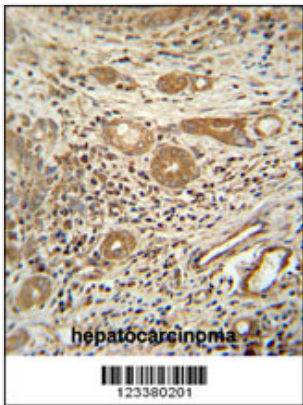
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290241	Rabbit	Human, mouse	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

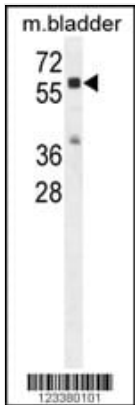
CTSA; Polyclonal Antibody; CTSA Antibody (N-term); Lysosomal protective protein; Carboxypeptidase C; Carboxypeptidase L; Cathepsin A; Protective protein cathepsin A; PPCA; Protective protein for beta-galactosidase; Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain; PPGB; anti-CTSA antibody

PRODUCT SPECIFICATIONS

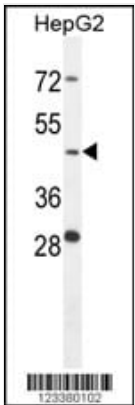
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CTSA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-45 amino acids from the N-terminal region of human CTSA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	18-45
Sequence Length	463
Applicable Applications for anti-CTSA antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



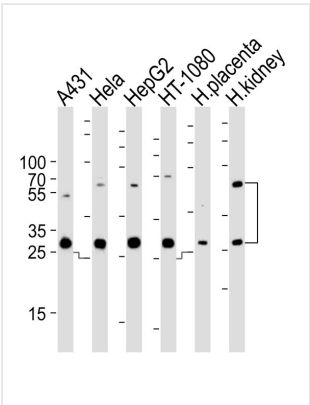
IHC (Immunohistochemistry)
CTSA antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CTSA antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



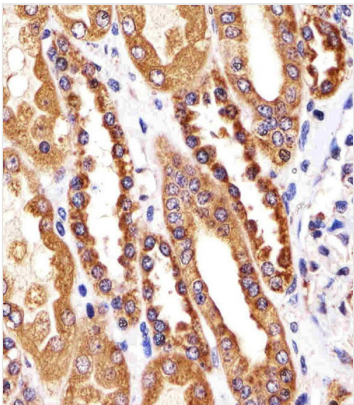
WB (Western Blot)
CTSA Antibody (N-term) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the CTSA antibody detected the CTSA protein (arrow).



WB (Western Blot)
CTSA Antibody (N-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the CTSA antibody detected the CTSA protein (arrow).



WB (Western Blot)
Western blot analysis of lysates from A431, Hela, HepG2, HT-1080 cell line and human placenta, kidney tissue lysate (from left to right), using CTSA Antibody (N-term). AAA290241 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. kidney section using CTSA Antibody (N-term). AAA290241 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-CTSA antibody	CTSA 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.
Product Categories/Family for anti-CTSA antibody	Crown Antibodies ; Metabolism ; Signal Transduction
References	Reich, M., et al. Immunol. Lett. 128(2):143-147(2010) Bonten, E.J., et al. J. Biol. Chem. 284(41):28430-28441(2009) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : Tatano, Y., et al. J. Med. Invest. 53 (1-2), 103-112 (2006) : Lewandrowski, U., et al. Mol. Cell Proteomics 5(2):226-233(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395729
NCBI GeneID	5476
NCBI Accession #	NP_000299.2 ; NP_001121167.1 ; NP_001161066.1
NCBI GenBank Nucleotide #	NM_000308.2
UniProt Accession #	P10619 ; Q561W6 ; Q5JZH1 ; Q96KJ2 ; Q9BR08 ; Q9BW68 ; B2R798
Molecular Weight	54466
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
UniProt Entry Name	PPGB_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://www.aaabiotech.com/polyclonal/ctsa-antibody-western-blot-immunohistochemistry-elisa/290241>