Datasheet for ABIN951063

anti-CTSA antibody (N-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	CTSA
Binding Specificity:	AA 25-53, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTSA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 25-53 amino acids from the N-terminal region of human CTSA
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CTSA.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	CTSA

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Target Details

Alternative Name:	Cathepsin A (CTSA Products)
Background:	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.Synonyms: CTSA, Carboxypeptidase C, Carboxypeptidase L, Lysosomal protective protein, PPCA, PPGB, Protective protein for beta-galactosidase
Molecular Weight:	54466 Da
Gene ID:	5476
NCBI Accession:	NP_000299

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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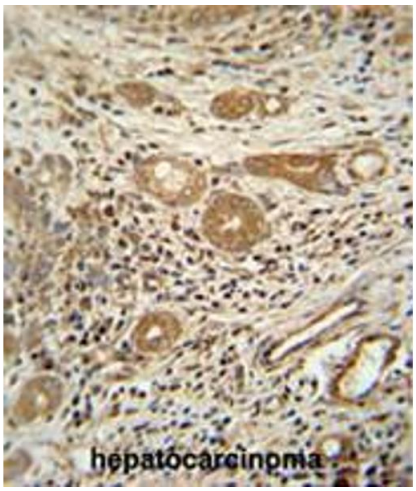
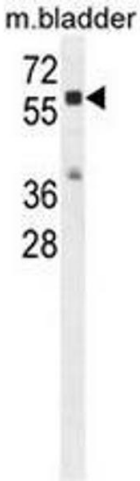


Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.

Western Blotting

Image 2. CTSA Antibody (N-term) western blot analysis in HepG2 cell line lysates (35µg/lane).This demonstrates the CTSA antibody detected the CTSA protein (arrow).



Western Blotting

Image 3. CTSA Antibody (N-term) western blot analysis in mouse bladder tissue lysates (35µg/lane).This demonstrates the CTSA antibody detected the CTSA protein (arrow).

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