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Datasheet for ABIN3044554 anti-TPP1 antibody (Middle Region)

2 Images



Overview

Quantity:	100 µg
Target:	TPP1
Binding Specificity:	AA 227-261, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Tripeptidyl-peptidase 1(TPP1) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human TPP1 (227- 261aa CAQFLEQYFHDSDLAQFMRLFGGNFAHQASVARVV), different from the related mouse sequence by six amino acids, and from the related rat sequence by five amino acids.
Sequence:	CAQFLEQYFH DSDLAQFMRL FGGNFAHQAS VARVV
lsotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Tripeptidyl-peptidase 1(TPP1) detection. Tested with WB, IHC-P in Human.

Gene Name: tripeptidyl peptidase I

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Product Details

	Protein Name: Tripeptidyl-peptidase 1
Purification:	Immunogen affinity purified.
Target Details	
Target:	TPP1
Alternative Name:	TPP1 (TPP1 Products)
Background:	Tripeptidyl-peptidase 1, also known as Lysosomal pepstatin-insensitive protease, is an enzyme
	that in humans is encoded by the TPP1 gene. This gene encodes a member of the sedolisin
	family of serine proteases. The protease functions in the lysosome to cleave N-terminal
	tripeptides from substrates, and has weaker endopeptidase activity. It is synthesized as a
	catalytically-inactive enzyme which is activated and auto-proteolyzed upon acidification.
	Mutations in this gene result in late-infantile neuronal ceroid lipofuscinosis, which is associated
	with the failure to degrade specific neuropeptides and a subunit of ATP synthase in the
	lysosome.
	Synonyms: Cell growth inhibiting gene 1 protein antibody Cell growth-inhibiting gene 1 protein
	antibody Ceroid lipofuscinosis neuronal 2 antibody Ceroid lipofuscinosis neuronal 2 late
	infantile (Jansky Bielschowsky disease) antibody Ceroid lipofuscinosis neuronal 2 late infantile
	antibody CLN 2 antibody CLN2 antibody GIG 1 antibody GIG1 antibody Growth inhibiting protein
	1 antibody LPIC antibody Lysosomal pepstatin insensitive protease antibody Lysosomal
	pepstatin-insensitive protease antibody MGC21297 antibody TPP 1 antibody TPP I
	antibody TPP-1 antibody TPP-I antibody Tpp1 antibody TPP1_HUMAN antibody TPPI
	antibody Tripeptidyl aminopeptidase antibody Tripeptidyl peptidase I antibody Tripeptidyl-
	peptidase 1 antibody Tripeptidyl-peptidase I antibody
Gene ID:	1200
UniProt:	014773
Pathways:	Cell Division Cycle, ER-Nucleus Signaling
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
	IHC-P: Concentration: 0.5-1 μ g/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling
	the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of
	formalin/paraffin sections.

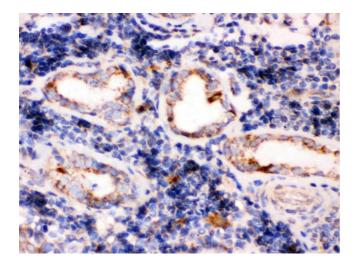
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Application Details	
	Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μ g/mL.	
Concentration:	500 µg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.	

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. TPP1 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- TPP1 Antigen Affinity purified polyclonal antibody at 1 μ g/mL. The immunohistochemical section was developed using SABC method

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97KD —	
58KD —	-
40KD —	-
29KD —	
20KD —	
14KD -	

Western Blotting

Image 2. Western blot analysis of TPP1 expression in HELA whole cell lysates (lane 1). TPP1 at 61KD, 39KD was detected using rabbit anti- TPP1 Antigen Affinity purified polyclonal antibody at0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method

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