Datasheet for ABIN7601293

anti-Tpp2 antibody (AA 32-1001)

Go to Product page

Overview

Quantity:	100 µg
Target:	Tpp2
Binding Specificity:	AA 32-1001
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tpp2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Tripeptidyl peptidase II/TPPII/TPP2 Antibody Picoband®
Immunogen:	E.coli-derived human Tripeptidyl peptidase II/TPPII/TPP2 recombinant protein (Position: E32-K1001).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Tripeptidyl peptidase II/TPPII/TPP2 Antibody Picoband® (ABIN7601293). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	Tpp2
Alternative Name:	TPP2 (Tpp2 Products)
Background:	Synonyms: Ubiquitin carboxyl-terminal hydrolase 21, Deubiquitinating enzyme 21, Ubiquitin thioesterase 21, Ubiquitin-specific-processing protease 21, USP21, USP23, PP1490 Tissue Specificity: Highly expressed in heart, pancreas and skeletal muscle. Also expressed in brain, placenta, liver and kidney, and at very low level in lung. Background: Tripeptidyl-peptidase 2 is an enzyme that in humans is encoded by the TPP2 gene. This gene encodes a mammalian peptidase that, at neutral pH , removes tripeptides from the N terminus of longer peptides. The protein has a specialized function that is essential for some MHC class I antigen presentation. The protein is a high molecular mass serine exopeptidase, the amino acid sequence surrounding the serine residue at the active site is similar to the peptidases of the subtilisin class rather than the trypsin class.
Molecular Weight:	138 kDa
Gene ID:	7174
UniProt:	P29144

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -

1. Atallah, I., Quinodoz, M., Campos-Xavier, B., Peter, V. G., Fouriki, A., Bonvin, C., Bottani, A., Kumps, C., Angelini, F., Bellutti Enders, F., Christen-Zaech, S., Rizzi, M., and 11 others. Immune deficiency, autoimmune disease and intellectual disability: a pleiotropic disorder caused by biallelic variants in the TPP2 gene. Clin. Genet. 99: 780-788, 2021. 2. Balow, R.-M., Ragnarsson, U., Zetterqvist, O. Tripeptidyl aminopeptidase in the extralysosomal fraction of rat liver. J. Biol. Chem. 258: 11622-11628, 1983. 3. Bermingham, N. A., McKay, T., Hoyle, J., Hernandez, D., Martin, J. E., Fisher, E. M. C. The gene encoding tripeptidyl peptidase II maps to chromosome 1 in the mouse. Mammalian Genome 7: 390 only, 1996.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.