Datasheet for ABIN7600640

anti-USP44 antibody (AA 211-712)

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Overview

Quantity:	100 µg
Target:	USP44
Binding Specificity:	AA 211-712
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP44 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-USP44 Antibody Picoband®
Immunogen:	E.coli-derived human USP44 recombinant protein (Position: R211-S712).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-USP44 Antibody Picoband® (ABIN7600640). 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	USP44
Alternative Name:	USP44 (USP44 Products)
Background:	Synonyms: Ubiquitin carboxyl-terminal hydrolase 44, Deubiquitinating enzyme 44, Ubiquitin thioesterase 44, Ubiquitin-specific-processing protease 44, USP44 Tissue Specificity: Expressed in testis. Expressed at high levels in T-cell acute lymphoblastic leukemia. Background: Ubiquitin carboxyl-terminal hydrolase 44 is an enzyme that in humans is encoded by the USP44 gene. It is mapped to 12q22. The protein encoded by this gene is a protease that functions as a deubiquitinating enzyme. The encoded protein is thought to help regulate the spindle assembly checkpoint by preventing early anaphase onset. This protein specifically deubiquitinates CDC20, which stabilizes the anaphase promoting complex/cyclosome.
Molecular Weight:	81 kDa
Gene ID:	84101
UniProt:	Q9H0E7
Pathways:	M Phase

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Quesada, V., Diaz-Perales, A., Gutierrez-Fernandez, A., Garabaya, C., Cal, S., Lopez-Otin, C. Cloning and enzymatic analysis of 22 novel human ubiquitin-specific proteases. Biochem. Biophys. Res. Commun. 314: 54-62, 2004. 2. Stegmeier, F., Rape, M., Draviam, V. M., Nalepa, G., Sowa, M. E., Ang, X. L., McDonald, E. R., III, Li, M. Z., Hannon, G. J., Sorger, P. K., Kirschner, M. W., Harper, J. W., Elledge, S. J. Anaphase initiation is regulated by antagonistic ubiquitination and deubiquitination activities. Nature 446: 876-881, 2007.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 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 Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.