Datasheet for ABIN7602663

anti-WAPAL antibody (AA 916-1190)

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Overview

Quantity:	100 µg
Target:	WAPAL
Binding Specificity:	AA 916-1190
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WAPAL antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-WAPL/FOE Antibody Picoband®
Immunogen:	E.coli-derived human WAPL/FOE recombinant protein (Position: Q916-C1190).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-WAPL/FOE Antibody Picoband® (ABIN7602663). 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:	WAPAL
Alternative Name:	WAPL (WAPAL Products)
Background:	Synonyms: p-selectin glycoprotein ligand, Selplg, Psgl1 Tissue Specificity: Highly expressed in blood, bone marrow, brain, adipose tissue, spleen, and thymus. Also expressed in heart, kidney, liver, muscle, ovary, and stomach. Background: WAPL (wings apart-like), also known as WAPAL or FOE, is a 1,190 amino acid protein that contains one WAPL domain and may play an important role in cell growth. It is expressed in an isoform dependent manner in heart, skeletal muscle (isoform 2) and uterine cervix tumor tissue (isoform 1). WAPL is involved in sister-chromatid adhesion and promotes release of cohesin from chromosomes by ly interacting with its regulatory subunits. WAPL is a new regulator of the development and metastasis of cancerous tissue.
Molecular Weight:	180 kDa
Gene ID:	23063
UniProt:	Q7Z5K2
Pathways:	Chromatin Binding

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Busslinger, G. A., Stocsits, R. R., van der Lelij, P., Axelsson, E., Tedeschi, A., Galjart, N., Peters, J.-M. Cohesin is positioned in mammalian genomes by transcription, CTCF and Wapl. Nature 544: 503-507, 2017. 2. Hill, L., Ebert, A., Jaritz, M., Wutz, G., Nagasaka, K., Tagoh, H., Kostanova-Poliakova, D., Schindler, K., Sun, Q., Bonelt, P., Fischer, M., Peters, J.-M., Busslinger, M. Wapl repression by Pax5 promotes V gene recombination by Igh loop extrusion. Nature 584: 142-147, 2020. 3. Kueng, S., Hegemann, B., Peters, B. H., Lipp, J. J., Schleiffer, A., Mechtler, K., Peters, J.-M. Wapl controls the dynamic association of cohesin with chromatin. Cell 127: 955-967, 2006.
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.