

Datasheet for ABIN7601789
anti-WAC antibody (AA 459-647)



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Overview

Quantity:	100 µg
Target:	WAC
Binding Specificity:	AA 459-647
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WAC antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-WAC Antibody Picoband®
Immunogen:	E.coli-derived human WAC recombinant protein (Position: Q459-V647).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-WAC Antibody Picoband® (ABIN7601789). Tested in ELISA, Flow Cytometry, IF, 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:	WAC
Alternative Name:	WAC (WAC Products)
Background:	Synonyms: Meiotic recombination protein REC8 homolog, Cohesin Rec8p, REC8, REC8L1 Tissue Specificity: Expressed in testis and thymus. Expressed in the B-cell lines WI-L2-NS and Namalwa. Background: The protein encoded by this gene contains a WW domain, which is a protein module found in a wide range of signaling proteins. This domain mediates protein-protein interactions and binds proteins containing short linear peptide motifs that are proline-rich or contain at least one proline. This gene product shares 94 % sequence identity with the WAC protein in mouse, however, its exact function is not known. Alternative splicing results in multiple transcript variants.
Molecular Weight:	85 kDa
Gene ID:	51322
Pathways:	Chromatin Binding

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 4 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. DeSanto, C., D'Aco, K., Araujo, G. C., Shannon, N., DDD Study, Vernon, H., Rahrig, A., Monaghan, K. G., Niu, Z., Vitazka, P., Dodd, J., Tang, S., and 9 others. WAC loss-of-function mutations cause a recognisable syndrome characterised by dysmorphic features, developmental delay and hypotonia and recapitulate 10p11.23 microdeletion syndrome. J. Med. Genet. 52: 754-761, 2015. 2. Nagase, T., Nakayama, M., Nakajima, D., Kikuno, R., Ohara, O. Prediction of the coding sequences of unidentified human genes. XX. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 8: 85-95, 2001. 3. Xu, G. M., Arnaout, M. A. WAC, a novel WW domain-containing adapter with a coiled-coil region, is colocalized with splicing factor SC35. Genomics 79: 87-94, 2002.
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 ₂ HPO ₄ , 0.01 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.
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.