Datasheet for ABIN7602131

anti-POC1A antibody (AA 6-371)

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Overview

Quantity:	100 µg
Target:	POC1A
Binding Specificity:	AA 6-371
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POC1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-POC1A Antibody Picoband®
Immunogen:	E.coli-derived human POC1A recombinant protein (Position: A6-D371). Human POC1A shares 91% amino acid (aa) sequence identity with mouse POC1A.
Characteristics:	Anti-POC1A Antibody Picoband® (ABIN7602131). Tested in WB, IHC, ICC/IF, Flow Cytometry, ELISA 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:	POC1A
Alternative Name:	POC1A (POC1A Products)
Background:	POC1 proteins contain an N-terminal WD40 domain and a C-terminal coiled coil domain and are part of centrosomes. They play an important role in basal body and cilia formation. This gene encodes one of the two POC1 proteins found in humans. Mutations in this gene result in short stature, onychodysplasia, facial dysmorphism, and hypotrichosis (SOFT) syndrome.
Molecular Weight:	40 kDa
Gene ID:	25886

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Hames, R. S., Hames, R., Prosser, S. L., Euteneuer, U., Lopes, C. A. M., Moore, W., Woodland, H. R., Fry, A. M. Pix1 and Pix2 are novel WD40 microtubule-associated proteins that colocalize with mitochondria in Xenopus germ plasm and centrosomes in human cells. Exp. Cell Res. 314: 574-589, 2008. 2. Keller, L. C., Geimer, S., Romijn, E., Yates, J., III, Zamora, I., Marshall, W. F. Molecular architecture of the centriole proteome: the conserved WD40 domain protein POC1 is required for centriole duplication and length control. Molec. Biol. Cell 20: 1150-1166, 2009. 3. Sarig, O., Nahum, S., Rapaport, D., Ishida-Yamamoto, A., Fuchs-Telem, D., Qiaoli, L., Cohen-Katsenelson, K., Spiegel, R., Nousbeck, J., Israeli, S., Borochowitz, Z.-U., Padalon-Brauch, G., Uitto, J., Horowitz, M., Shalev, S., Sprecher, E. Short stature, onychodysplasia, facial dysmorphism, and hypotrichosis syndrome is caused by a POC1A mutation. Am. J. Hum. Genet. 91: 337-342, 2012.
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

Handling

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.