

Rabbit POC1A Polyclonal Antibody | anti-POC1A antibody

Anti-POC1A Antibody Picoband

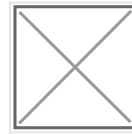
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19908	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

POC1A; Polyclonal Antibody; Anti-POC1A Antibody Picoband; anti-POC1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-POC1A antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human, Mouse, Rat ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human POC1A recombinant protein (Position: A6-D371). Human POC1A shares 91% amino acid (aa) sequence identity with mouse POC1A.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IF (Immunofluorescence)

Figure 6. IF analysis of POC1A using anti-POC1A antibody (AAA19908).POC1A was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-POC1A Antibody (AAA19908) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-POC1A Antibody (AAA19908) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-POC1A Antibody (AAA19908) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-POC1A Antibody (AAA19908) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-POC1A Antibody (AAA19908) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution).

Lane 2: human THP-1 whole cell lysates,Lane 3: human U251 whole cell lysates,Lane 4: rat testis tissue lysates,Lane 5: rat thymus tissue lysates,Lane 6: mouse testis tissue lysates,Lane 7: mouse thymus tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-POC1A antigen affinity purified polyclonal antibody (#AAA19908) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for POC1A at approximately 40 kDa. The expected band size for POC1A is at 45 kDa.

Related Product Information for anti-POC1A antibody	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 Categories/Family for anti-POC1A antibody	Primary Antibodies
References	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.

NCBI GI #	239787760
NCBI GeneID	25886
NCBI Accession #	NP_001155052.1
NCBI GenBank Nucleotide #	NM_001161580.1

UniProt Accession #	Q8NBT0; Q0VDF8; Q2TAK6; Q96IK6; Q9UFJ8; A4FUW4; E9PFC6
Molecular Weight	40,936 Da
NCBI Official Full Name	POC1 centriolar protein homolog A isoform 2
NCBI Official Synonym Full Names	POC1 centriolar protein A
NCBI Official Symbol	POC1A
NCBI Official Synonym Symbols	PIX2; SOFT; WDR51A
NCBI Protein Information	POC1 centriolar protein homolog A
UniProt Protein Name	POC1 centriolar protein homolog A
UniProt Gene Name	POC1A
UniProt Synonym Gene Names	WDR51A

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AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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