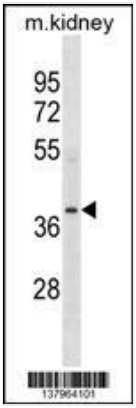
POC1A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	POC1A, Polyclonal Antibody
Full Product Name	POC1A, NT (POC1A, WDR51A, POC1 centriolar protein homolog A, WD repeat-containing protein 51A) (Azide free) (HRP)
Product Gene Name	anti-POC1A antibody
Product Synonym Names	POC1A; WDR51A; POC1 centriolar protein homolog A; WD repeat-containing protein 51A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	40,936 Da
OMIM	AK075289 mRNA
3D Structure	ModBase 3D Structure for Q8NBT0
Immunogen	POC1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-61 amino acids from the N-terminal region of human POC1A.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-POC1A antibody	Antibodies; WD Repeat Proteins
Applications Tested/Suitable for anti-POC1A antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-POC1A antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-POC1A antibody	MBS6335459 is an antibody targeting POC1A. Also known as POC1A, NT (POC1A, WDR51A, POC1 centriolar protein homolog A, WD repeat-containing protein 51A) (Azide free) (HRP). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-POC1A antibody	Keller, L.C., et al. Mol. Biol. Cell 20(4):1150-1166(2009). Hames, R.S., et al. Exp. Cell Res. 314(3):574-589(2008).
Other Notes	Small volumes of anti-POC1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-POC1A antibody
POC1A Antibody (N-term) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the POC1A antibody detected the POC1A protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POC1A. It may not necessarily be applicable to this product.

NCBI GI #	239787760
NCBI GeneID	25886
NCBI Accession #	NP_001155052.1
UniProt Primary Accession #	Q8NBT0
UniProt Secondary Accession #	Q0VDF8; Q2TAK6; Q96IK6; Q9UFJ8; A4FUW4; E9PFC6
UniProt Related Accession #	Q8NBT0
GenBank Nucleotide #	NM_001161580.1
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
UniProt Protein Name	POC1 centriolar protein homolog A
UniProt Synonym Protein Names	Pix2; Proteome of centriole protein 1A; WD repeat-containing protein 51A
Protein Family	POC1 centriolar protein
UniProt Gene Name	POC1A
UniProt Synonym Gene Names	WDR51A
NCBI Protein Information	POC1 centriolar protein homolog A
NCBI Summary for POC1A	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. [provided by RefSeq, Sep 2012]

UniProt Comments for POC1A	WDR51A: 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. [provided by RefSeq, Sep 2012] Chromosomal Location of Human Ortholog: 3p21.2 Cellular Component: centriole; centrosome; spindle pole Molecular Function: protein binding Biological Process: mitotic spindle organization and biogenesis; spermatogenesis Disease: Short Stature, Onychodysplasia, Facial Dysmorphism, And Hypotrichosis
Research Articles on POC1A	**1.** we report the first patient with SOFT syndrome harboring compound heterozygous variants of POC1A. understanding POC1A mutations may provide appropriate management and genetic counseling to these patients and their families.
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