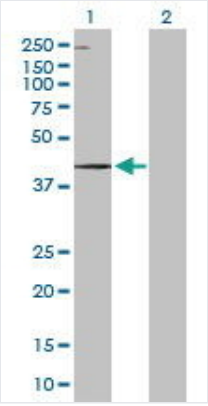
WDR19 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WDR19, Polyclonal Antibody
Full Product Name	WDR19 (WD Repeat-containing Protein 19, KIAA1638, ATD5, CED4, DYF-2, IFT144, NPHP13, ORF26, Oseg6, PWDMP)
Product Gene Name	anti-WDR19 antibody
Product Synonym Names	Anti -WDR19 (WD Repeat-containing Protein 19, KIAA1638, ATD5, CED4, DYF-2, IFT144, NPHP13, ORF26, Oseg6, PWDMP)
Immunogen Sequence	MKRIFSLLEK TWLGAPIQFA WQKTSGNYLA VTGADYIVKI FDRHGQKRSE INLPGNCVAM DWDKDGDVLA VIAEKSSCIY LWDANTNKTS QLDNGMRDQM SFLLWSKVGS FLAVGTVKGN LLIYNHQTSR KIPVLGKHTK RITCGCWNAE NLLALGGEDK MITVSNQEGD TIRQTQVRSE PSNMQFFLMK MDDRTSAAES MISVVLGKKT LFFLNLNEPD NPADLEFQQD FGNIVCYNWY GDGRIMIGFS CGHFVVISTH TGELGQEIFQ ARNHKDNLTS IAVSQTLNKV ATCGDNCIKI QDLVDLKDMY VILNLDEENK GLGTLSWTDD GQLLALSTQR GSLHVFLTKL PILGDACSTR IAYLTSLLEV TVANPVEGEL PITVSVDVEP NFVAVGLYHL AVGMNNRAWF YVLGENAVKK IERYGVSGNS SQYLPSF
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human WDR19.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	151,581 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (39184024..39287430). Location: 4p14
OMIM	608151
3D Structure	ModBase 3D Structure for Q8NEZ3
Immunogen	Full length human WDR19, aa1-437 (AAH32578.1).
Product Categories/Family for anti-WDR19 antibody	Antibodies; Abs to WD Repeat Proteins
Applications Tested/Suitable for anti-WDR19 antibody	Western Blot (WB)
Application Notes for anti-WDR19 antibody	Suitable for use in Western Blot.
Related Product Information for anti-WDR19 antibody	MBS6009696 is an antibody targeting WDR19. Also known as WDR19 (WD Repeat-containing Protein 19, KIAA1638, ATD5, CED4, DYF-2, IFT144, NPHP13, ORF26, Oseg6, PWDMP). Reactive in Human. Host: Rabbit.

Other Notes	Small volumes of anti-WDR19 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-WDR19 antibody
Western Blot analysis of WDR19 expression in transfected 293T cell line by WDR19 polyclonal antibody. Lane 1: WDR19 transfected lysate (48.6kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WDR19. It may not necessarily be applicable to this product.

NCBI GI #	55743151
NCBI GeneID	57728
NCBI Accession #	NP_079408.3
UniProt Primary Accession #	Q8NEZ3
UniProt Secondary Accession #	Q8N5B4; Q9H5S0; Q9HCD4; B5MEF2
UniProt Related Accession #	Q8NEZ3
GenBank Nucleotide #	NM_025132.3
NCBI Official Full Name	WD repeat-containing protein 19
NCBI Official Synonym Full Names	WD repeat domain 19
NCBI Official Symbol	WDR19
NCBI Official Synonym Symbols	ATD5; CED4; DYF-2; ORF26; Oseg6; PWDMP; IFT144; NPHP13
UniProt Protein Name	WD repeat-containing protein 19
Protein Family	WD repeat-containing protein
UniProt Gene Name	WDR19
UniProt Synonym Gene Names	KIAA1638
UniProt Entry Name	WDR19_HUMAN
NCBI Protein Information	WD repeat-containing protein 19; WD repeat membrane protein PWDMP; intraflagellar transport 144 homolog

NCBI Summary for WDR19	This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains six WD repeats, a clathrin heavy-chain repeat, and three transmembrane domains. This gene is conserved from C. elegans to human. It may participate in androgen-regulated signaling mechanisms or in the vesicular trafficking of androgen-regulated secretory processes. Alternatively spliced transcript variants encoding distinct isoforms have been reported but the full-length nature of one of these variants has not been defined. [provided by RefSeq, Jul 2008]
UniProt Comments for WDR19	WDR19: May be involved in cilia function and/or assembly. Defects in WDR19 are the cause of cranioectodermal dysplasia type 4 (CED4). CED4 is a disorder primarily characterized by craniofacial, skeletal and ectodermal abnormalities. Clinical features include craniosynostosis, narrow rib cage, short limbs, brachydactyly, hypoplastic and widely spaced teeth, sparse hair, skin laxity and abnormal nails. Nephronophthisis leading to progressive renal failure, hepatic fibrosis, heart defects, and retinitis pigmentosa have also been described. Defects in WDR19 are the cause of asphyxiating thoracic dystrophy type 5 (ATD5). ATD5 is an autosomal recessive chondrodysplasia characterized by a severely constricted thoracic cage, short-limbed short stature, and polydactyly. It often leads to death in infancy because of respiratory insufficiency. Retinal degeneration, cystic renal disease and hepatic disease can be present in affected individuals who survive early childhood. Defects in WDR19 are the cause of nephronophthisis type 13 (NPHP13). NPHP13 is an autosomal recessive disorder resulting in end-stage renal disease. It is a progressive tubulo-interstitial kidney disorder histologically characterized by modifications of the tubules with thickening of the basement membrane, interstitial fibrosis and, in the advanced stages, medullary cysts. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 4p14 Cellular Component: nucleoplasm; cytoskeleton; nonmotile primary cilium; cytoplasm; photoreceptor connecting cilium; cilium Biological Process: in utero embryonic development; organelle organization and biogenesis; cilium biogenesis; ear morphogenesis; embryonic cranial skeleton morphogenesis; embryonic camera-type eye development; neurological system process; embryonic limb morphogenesis Disease: Cranioectodermal Dysplasia 4; Senior-loken Syndrome 8; Short-rib Thoracic Dysplasia 5 With Or Without Polydactyly
Research Articles on WDR19	**1.** Ciliopathies with skeletal anomalies and renal insufficiency due to mutations in the IFT-A gene WDR19
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