WDR19 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WDR19, Polyclonal Antibody
Full Product Name	WDR19 Antibody, Biotin conjugated
Product Gene Name	anti-WDR19 antibody
Product Synonym Names	WD repeat-containing protein 19; WDR19; KIAA1638
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: WDR19 (MBS7050795) Biotin Conjugated Antibody: WDR19 (MBS7050798)
Molecular Weight	53,573 Da
OMIM	AY029257 mRNA
3D Structure	ModBase 3D Structure for Q8NEZ3
Immunogen	Recombinant Human WD repeat-containing protein 19 protein (45-226AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Biotin
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-WDR19 antibody	ELISA (EIA)
Related Product Information for anti-WDR19 antibody	Component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport (PubMed: 20889716). Involved in cilia function and/or assembly (By similarity). Associates with the BBSome complex to mediate ciliary transport (By similarity).
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.
Searchable Terms for WDR19 purchase	MBS7050798 is an antibody targeting WDR19. Also known as WDR19 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	961658099

NCBI GeneID	57728
NCBI Accession #	NP_001304853.1
UniProt Primary Accession #	Q8NEZ3
UniProt Secondary Accession #	Q8N5B4; Q9H5S0; Q9HCD4; B5MEF2
UniProt Related Accession #	Q8NEZ3
GenBank Nucleotide #	NM_001317924.1
NCBI Official Full Name	WD repeat-containing protein 19 isoform 2
NCBI Official Synonym Full Names	WD repeat domain 19
NCBI Official Symbol	WDR19
NCBI Official Synonym Symbols	ATD5; CED4; DYF-2; ORF26; Oseg6; PWDMP; SRTD5; 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
NCBI Summary for WDR19	The protein encoded by this gene is a member of the WD (tryptophan-aspartic acid) repeat family, which is a large family of structurally-related proteins known to participate in a wide range of cellular processes. Each WD repeat typically contains about 40 amino acids that are usually bracketed by glycine-histidine and tryptophan-aspartic acid (WD) dipeptides. This protein contains six WD repeats, three transmembrane domains, and a clathrin heavy-chain repeat. Mutations in this gene have been described in individuals with a wide range of disorders affecting function of the cilium. These disorders are known as ciliopathies, and include Jeune syndrome, Sensenbrenner syndromes, Senior-Loken syndrome, combined or isolated nephronophthisis (NPHP), and retinitis pigmentosa (RP). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]
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: cilium; nucleoplasm; photoreceptor connecting cilium Disease: Cranioectodermal Dysplasia 4; Senior-loken Syndrome 8; Short-rib Thoracic Dysplasia 5 With Or Without Polydactyly
Research Articles on WDR19	**1.** Nephronophthisis 13 (Autosomal Recessive Polycystic Kidney Disease) is associated with mutations in the WDR19 gene.Caroli disease is a major extra-renal phenotype associated with mutations in WDR19 in the Korean population.

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