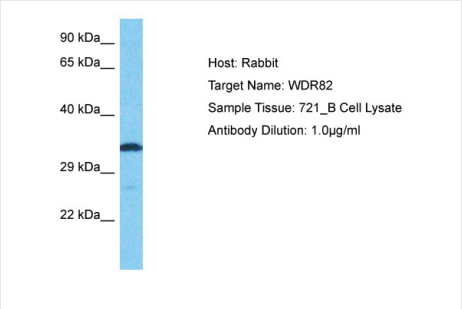
WDR82 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WDR82, Polyclonal Antibody
Full Product Name	WDR82 Antibody - N-terminal region
Product Gene Name	anti-WDR82 antibody
Product Synonym Gene Name	WDR82; TMEM113; WDR82A; UNQ9342/PRO34047;
Immunogen Sequence	Synthetic peptide located within the following region: YDCQEGKPKR TLYSKKYGVD LIRYTHAANT VVYSSNKIDD TIRYLSLHDN
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	WDR82 peptide (MBS3244951) is used for blocking the activity of WDR82 antibody (MBS3220122)
Molecular Weight	34kDa
OMIM	611059
3D Structure	ModBase 3D Structure for Q6UXN9
Immunogen	The immunogen is a synthetic peptide directed towards the N-terminal region of Human WDR82
Product Categories/Family for anti-WDR82 antibody	Polyclonal; Various
Applications Tested/Suitable for anti-WDR82 antibody	Western Blot (WB)
Related Product Information for anti-WDR82 antibody	This is a rabbit polyclonal antibody against WDR82. It was validated on Western Blot Target Description: TMEM113 (WDR82) is a component of the mammalian SET1A (MIM 611052)/SET1B (MIM 611055) histone H3-Lys4 methyltransferase complexes.
Other Notes	Small volumes of anti-WDR82 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 WDR82 purchase	MBS3220122 is an antibody targeting WDR82. Also known as WDR82 Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-WDR82 antibody
Host: RabbitTarget Name: WDR82Sample Type: 721_B Whole Cell lysatesAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WDR82. It may not necessarily be applicable to this product.

NCBI GI #	147904340
NCBI GeneID	80335
NCBI Accession #	NP_079498
UniProt Primary Accession #	Q6UXN9
GenBank Nucleotide #	NM_025222.4
UniProt Protein Name	WD repeat-containing protein 82
UniProt Synonym Protein Names	Protein TMEM113; Swd2
Protein Family	WD repeat-containing protein
UniProt Gene Name	WDR82
UniProt Synonym Gene Names	TMEM113; WDR82A
UniProt Entry Name	WDR82_HUMAN
UniProt Comments for WDR82	WDR82: a WD repeat-containing protein. A regulatory component of the histone H3K4 methylatransferase SET1 complex implicated in tethering this complex to transcriptional start sites of active genes. Facilitates histone H3K4 methylation via recruitment of the SETD1A or SETD1B to phospho-S5 in the C-terminal domain (CTD) of RNA polymerase II large subunit (POLR2A). Component of PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase. Component of the SET1 complex, composed of at least the catalytic subunit (SETD1A or SETD1B), WDR5, WDR82, RBBP5, ASH2L/ASH2, CXXC1/CFP1, HCFC1 and DPY30. Component of the PTW/PP1 phosphatase complex, composed of PPP1R10/PNUTS, TOX4, WDR82, and PPP1CA, Â¿B, or -C. Associated with multiple protein complexes including an RNA polymerase II complex, MLL3/MLL4 complex and a chaperonin-containing TCP1 complex. Interacts with CUL4B. Interacts with RBBP5 and SETD1B. Interacts with SETD1A (via RRM domain). Interacts with POLR2B. Interacts with hyperphosphorylated C-terminal domain (CTD) of RNA polymerase II large subunit (POLR2A). SETD1A enhances its interaction with POLR2A. Interacts with PPP1R10/PNUTS. Interacts with PPP1CA in the presence of PPP1R10/PNUTS. Protein type: Methyltransferase Chromosomal Location of Human Ortholog: 3p21.2 Cellular Component: histone methyltransferase complex; chromatin Molecular Function: protein binding; histone lysine N-methyltransferase activity (H3-K4 specific); chromatin binding Biological Process: histone H3-K4 methylation

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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