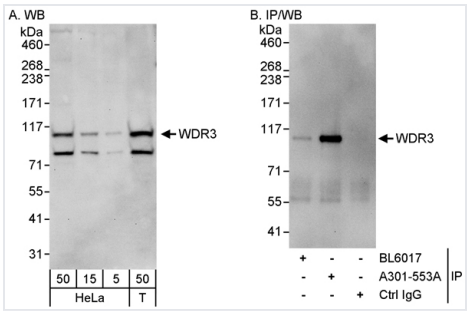
# WDR3 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | WDR3, Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-WDR3 Antibody, Affinity Purified |
| **Product Gene Name** | anti-WDR3 antibody |
| **Product Synonym Names** | UTP12; WD repeat-containing protein 3; DIP2; dJ776P7.2 (WD repeat domain 3); WD repeat-containing protein 3; WD repeat domain 3 |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| **Purity/Purification** | Antigen Affinity Purified |
| **Concentration** | 200ug/ml (lot specific) |
| **Preparation and Storage** | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt |
| **Molecular Weight** | 106,099 Da |
| **Chromosome Location** | Chromosome: 1; NC_000001.10 (118472372..118503049). Location: 1p12 |
| **OMIM** | 604737 |
| **3D Structure** | ModBase 3D Structure for Q9UNX4 |
| **Immunogen** | Between 225 and 275 |
| **Conjugation** | Unconjugated |
| **Product Categories/Family for anti-WDR3 antibody** | Primary Antibodies |
| **Applications Tested/Suitable for anti-WDR3 antibody** | Western Blot (WB), Immunoprecipitation (IP) |
| **Application Notes for anti-WDR3 antibody** | WB: 1:2000-1:10,000<br>IP: 6ug/mg lysate |
| **Related Product Information for anti-WDR3 antibody** | WDR3 (WD repeat containing protein 3) is a member of the WD protein family. The WD repeat is defined by four or more repeating units of a conserved core of approximately 40 amino acids ending with tryptophan-aspartic acid (WD). WD repeats may serve as sites of protein-protein interaction for adaptor proteins and facilitate multiprotein complex formation. WD proteins are involved in a variety of cellular processes. The function of WDR3 has not been characterized. |
| **Other Notes** | Small volumes of anti-WDR3 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 WDR3 purchase** | MBS3902034 is an antibody targeting WDR3. Also known as Rabbit anti-WDR3 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-WDR3 antibody**

Detection of human WDR3 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-WDR3 antibody MBS3902034 used for WB at 0.04 ug/ml (A) and 0.1 ug/ml (B) and used for IP at 3 ug/mg lysate. WDR3 was also immunoprecipitated by rabbit anti-WDR3 antibody BL6017, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A and B).

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WDR3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 5803221 |
| **NCBI GeneID** | 10885 |
| **NCBI Accession #** | NP_006775.1 |
| **UniProt Primary Accession #** | Q9UNX4 |
| **UniProt Related Accession #** | Q9UNX4 |
| **GenBank Nucleotide #** | NM_006784.2 |
| **NCBI Official Full Name** | WD repeat-containing protein 3 |
| **NCBI Official Synonym Full Names** | WD repeat domain 3 |
| **NCBI Official Symbol** | WDR3 |
| **NCBI Official Synonym Symbols** | DIP2; UTP12 |
| **UniProt Protein Name** | WD repeat-containing protein 3 |
| **Protein Family** | WD repeat-containing protein |
| **UniProt Gene Name** | WDR3 |
| **UniProt Entry Name** | WDR3_HUMAN |
| **NCBI Protein Information** | WD repeat-containing protein 3; dJ776P7.2 (WD repeat domain 3) |
| **NCBI Summary for WDR3** | This gene encodes a nuclear protein containing 10 WD repeats. WD repeats are approximately 30- to 40-amino acid domains containing several conserved residues, which usually include a trp-asp at the C-terminal end. Proteins belonging to the WD repeat family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. [provided by RefSeq, Jul 2008] |

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| **UniProt Comments for WDR3** | WDR3: an ubiquitous nuclear WD40 repeat protein. WD40 repeats are found in a number of eukaryotic proteins that coordinate multi-protein complex assemblies. WD40 proteins are implicated in many functions including adaptor/regulatory modules in signal transduction, pre-mRNA processing and cytoskeleton assembly.<br><br>Protein type: Unknown function; Nucleolus<br><br>Chromosomal Location of Human Ortholog: 1p12<br><br>Cellular Component: small subunit processome; nuclear membrane; nucleolus; nucleus<br><br>Molecular Function: snoRNA binding<br><br>Biological Process: maturation of SSU-rRNA from tricistronic rRNA transcript (SSU-rRNA, 5.8S rRNA, LSU-rRNA) |
| **Research Articles on WDR3** | **1.** WDR3 can modulate genome stability in thyroid cancer patients. |
| **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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