# WDR41 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | WDR41, Polyclonal Antibody |
| **Full Product Name** | WDR41, CT (WDR41, WD repeat-containing protein 41) (MaxLight 750) |
| **Product Gene Name** | anti-WDR41 antibody |
| **Product Synonym Names** | WDR41; WD repeat-containing protein 41 |
| **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 MaxLight750. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 51,728 Da |
| **Chromosome Location** | Chromosome: 5; NC_000005.9 (76727622..76788332, complement). Location: 5q13.3 |
| **3D Structure** | ModBase 3D Structure for Q9HAD4 |
| **Immunogen** | WDR41 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 252-282 amino acids from the C-terminal region of human WDR41. |
| **Conjugate** | MaxLight750 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-WDR41 antibody** | Antibodies; WD Repeat Proteins |
| **Applications Tested/Suitable for anti-WDR41 antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-WDR41 antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-WDR41 antibody** | MaxLight750 is a new Near IR stable dye conjugate comparable to DyLight750, Alexa Fluor700 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (759nm); Emission (780nm); Extinction Coefficient 240,000. |
| **Product References and Citations for anti-WDR41 antibody** | Bailey, S.D., et al. Diabetes Care (2010). In press: Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). |
| **Other Notes** | Small volumes of anti-WDR41 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. |

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| **Searchable Terms for WDR41 purchase** | MBS6363256 is an antibody targeting WDR41. Also known as WDR41, CT (WDR41, WD repeat-containing protein 41) (MaxLight 750). Reactive in Human, Mouse. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WDR41. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 42716287 |
| **NCBI GeneID** | 55255 |
| **NCBI Accession #** | NP_060738.2 |
| **UniProt Primary Accession #** | Q9HAD4 |
| **UniProt Secondary Accession #** | Q7Z792; Q8IWG3; Q8IXA9; Q8NDA7; Q9NV62 |
| **UniProt Related Accession #** | Q9HAD4 |
| **GenBank Nucleotide #** | NM_018268.2 |
| **NCBI Official Full Name** | WD repeat-containing protein 41 |
| **NCBI Official Synonym Full Names** | WD repeat domain 41 |
| **NCBI Official Symbol** | WDR41 |
| **NCBI Official Synonym Symbols** | MSTP048 |
| **UniProt Protein Name** | WD repeat-containing protein 41 |
| **Protein Family** | WD repeat-containing protein |
| **UniProt Gene Name** | WDR41 |
| **UniProt Entry Name** | WDR41_HUMAN |
| **NCBI Protein Information** | WD repeat-containing protein 41 |
| **UniProt Comments for WDR41** | WDR41: 2 isoforms of the human protein are produced by alternative splicing<br><br>Chromosomal Location of Human Ortholog: 5q13.3<br><br>Cellular Component: lysosomal membrane |
| **Research Articles on WDR41** | **1.** The peak of association was found in and around two genes, WDR41 and PDE8B, involved in dopamine signaling and development. |
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