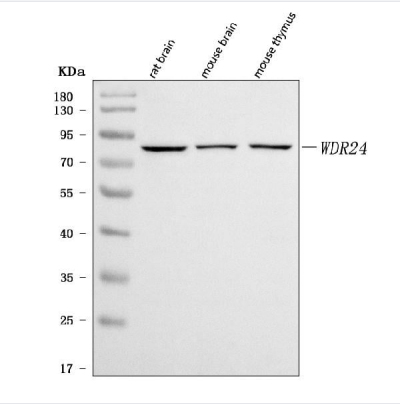
WDR24 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WDR24, Polyclonal Antibody
Full Product Name	Anti-WDR24 Antibody Picoband
Product Gene Name	anti-WDR24 antibody
Product Synonym Names	translocase of inner mitochondrial membrane 17A; Mitochondrial import inner membrane translocase subunit Tim17-A; Inner membrane preprotein translocase Tim17a; TIMM17A; MIMT17; TIM17; TIM17A; TIMM17
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Purity/Purification	Immunogen affinity purified.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.
Molecular Weight	88,207 Da
3D Structure	ModBase 3D Structure for Q96S15
Immunogen	E coli-derived human WDR24 recombinant protein (Position: H309-H762).
Subcellular Localization	Mitochondrion inner membrane, Multi-pass membrane protein
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane.
Product Categories/Family for anti-WDR24 antibody	Primary Antibodies; Cancer; Metabolism; Mitochondrial Metabolism; Organelle Proteins; Pathways and Processes; Protein Trafficking; Signal Transduction; Tumor Biomarkers
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-WDR24 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-WDR24 antibody	WB: 0.25-0.5ug/ml, Mouse, Rat ELISA: 0.1-0.5ug/ml
Related Product Information for anti-WDR24 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product References and Citations for anti-WDR24 antibody	1. Robert, A. , Saxton, Kevin, E. , Knockenhauer, Rachel, L. , & Wolfson, et al. (2016). Structural basis for leucine sensing by the sestrin2-mtorc1 pathway. Science (New York, N.Y.).2. Wolfson, R. L. , Chantranupong, L. , Saxton, R. A. , Kuang, S. , Scaria, S. M. , & Cantor, J. R. , et al. (2016). [Research Article] Sestrin2 is a leucine sensor for the mTORC1 pathway.3. Wang, D., Xu, C., Yang, W., Chen, J., Ou, Y., Guan, Y., ... & Liu, Y. (2022). E3 ligase RNF167 and deubiquitinase STAMBPL1 modulate mTOR and cancer progression. Molecular Cell, 82(4), 770-784.

Other Notes	Small volumes of anti-WDR24 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 WDR24 purchase	MBS1759260 is an antibody targeting WDR24. Also known as Anti-WDR24 Antibody Picoband. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-WDR24 antibody
Figure 1. Western blot analysis of WDR24 using anti-WDR24 antibody (MBS1759260).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates,Lane 2: human placenta tissue lysates,Lane 3: monkey COS-7 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-WDR24 antigen affinity purified polyclonal antibody (#MBS1759260) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (#MBS176460) with Tanon 5200 system. A specific band was detected for WDR24 at approximately 88 kDa. The expected band size for WDR24 is at 88 kDa.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WDR24. It may not necessarily be applicable to this product.

NCBI GI #	14149987
NCBI GeneID	84219
NCBI Accession #	NP_115635
UniProt Primary Accession #	Q96S15
UniProt Secondary Accession #	Q96GC7; Q9H0B7; A2IDB8; D3DU59
UniProt Related Accession #	Q96S15
GenBank Nucleotide #	NM_032259
NCBI Official Full Name	WD repeat-containing protein 24
NCBI Official Synonym Full Names	WD repeat domain 24
NCBI Official Symbol	WDR24
NCBI Official Synonym Symbols	JFP7; C16orf21
UniProt Protein Name	WD repeat-containing protein 24
Protein Family	WD repeat-containing protein
UniProt Gene Name	WDR24

UniProt Synonym Gene Names	C16orf21
UniProt Entry Name	WDR24_HUMAN
NCBI Protein Information	WD repeat-containing protein 24
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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