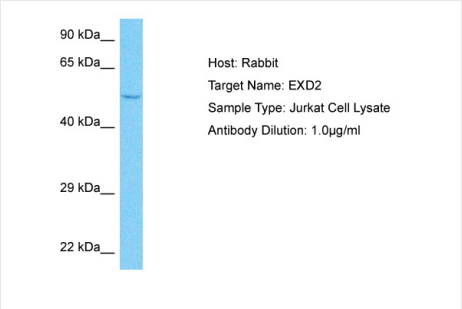
EXD2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EXD2, Polyclonal Antibody
Full Product Name	EXD2 Antibody - middle region
Product Gene Name	anti-EXD2 antibody
Product Synonym Gene Name	EXDL2; C14orf114
Immunogen Sequence	Synthetic peptide located within the following region: EEVNGEATES QQKPRNKKSK MDGMVPGNHQ GRDPRKHKRK PLGVGYSARK
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	EXD2 peptide (MBS3247602) is used for blocking the activity of EXD2 antibody (MBS3222942)
Molecular Weight	54 kDa
3D Structure	ModBase 3D Structure for Q9NVH0
Immunogen	The immunogen is a synthetic peptide directed towards the middle terminal region of human EXD2
Product Categories/Family for anti-EXD2 antibody	Polyclonal; Chromatin & Nuclear Signaling; DNA Damage & Repair
Applications Tested/Suitable for anti-EXD2 antibody	Western Blot (WB)
Related Product Information for anti-EXD2 antibody	Exonuclease required for double-strand breaks resection and efficient homologous recombination. Plays a key role in controlling the initial steps of chromosomal break repair, it is recruited to chromatin in a damage-dependent manner and functionally interacts with the MRN complex to accelerate resection through its 3'-5' exonuclease activity, which efficiently processes double-stranded DNA substrates containing nicks.
Other Notes	Small volumes of anti-EXD2 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 EXD2 purchase	MBS3222942 is an antibody targeting EXD2. Also known as EXD2 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-EXD2 antibody
Host: RabbitTarget Name: EXD2Sample Tissue: Human Jurkat Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EXD2. It may not necessarily be applicable to this product.

NCBI GI #	301129155
NCBI GeneID	55218
NCBI Accession #	NP_001180289.1
UniProt Primary Accession #	Q9NVH0
UniProt Related Accession #	Q9NVH0
GenBank Nucleotide #	NM_001193360.1
NCBI Official Full Name	exonuclease 3'-5' domain-containing protein 2 isoform 1
NCBI Official Synonym Full Names	exonuclease 3'-5' domain containing 2
NCBI Official Symbol	EXD2
NCBI Official Synonym Symbols	EXDL2; C14orf114
UniProt Protein Name	Exonuclease 3'-5' domain-containing protein 2
UniProt Synonym Protein Names	Exonuclease 3'-5' domain-like-containing protein 2
Protein Family	Exonuclease 3'-5' domain-containing protein
UniProt Gene Name	EXD2
UniProt Synonym Gene Names	C14orf114; EXDL2
UniProt Entry Name	EXD2_HUMAN
NCBI Protein Information	exonuclease 3'-5' domain-containing protein 2
UniProt Comments for EXD2	EXDL2: Belongs to the EXD2 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 14q24.1 Cellular Component: cytoplasm; nucleus Molecular Function: nucleic acid binding; 3'-5' exonuclease activity
Research Articles on EXD2	**1.** establish that EXD2 stimulates both short- and long-range DSB resection

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