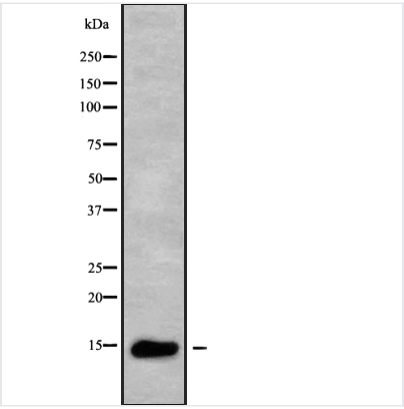
ZNRD1 Antibody – Rabbit Polyclonal

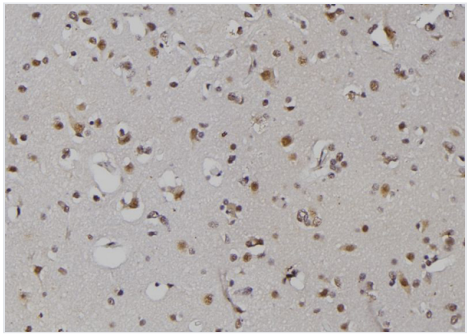
PRODUCT OVERVIEW

Product Name	ZNRD1, Polyclonal Antibody
Full Product Name	ZNRD1 Antibody
Product Gene Name	anti-ZNRD1 antibody
Product Synonym Names	DNA directed RNA polymerase I subunit RPA12; DNA-directed RNA polymerase I subunit RPA12; HTEX 6; hZR14; RNA polymerase I small specific subunit Rpa12; RPA12; RPA12_HUMAN; tctex 6; TCTEX6; TEX6; Transcription associated zinc ribbon protein; Zinc ribbon domain containing 1; Zinc ribbon domain containing protein 1; Zinc ribbon domain-containing protein 1; ZNRD1; ZR14
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	ZNRD1 antibody detects endogenous levels of total ZNRD1
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	ZNRD1 peptide (MBS9628476) is used for blocking the activity of ZNRD1 antibody (MBS9609772)
Molecular Weight	Observed: 14 kDa Predicted: 14 kDa
3D Structure	ModBase 3D Structure for Q9P1U0
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human ZNRD1
Subcellular Location	Nucleus > Nucleolus.
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ZNRD1 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-ZNRD1 antibody	WB: 1:1000-3000 IHC: 1:200
Related Product Information for anti-ZNRD1 antibody	Function: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase I which synthesizes ribosomal RNA precursors. Subunit Structure: Component of the RNA polymerase I (Pol I) complex consisting of at least 13 subunits. Similarity: Belongs to the archaeal RpoM/eukaryotic RPA12/RPB9/RPC11 RNA polymerase family.

Other Notes	Small volumes of anti-ZNRD1 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 ZNRD1 purchase	MBS9609772 is an antibody targeting ZNRD1. Also known as ZNRD1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ZNRD1 antibody
Western blot analysis of ZNRD1 using HuvEc whole cell lysates



Immunohistochemistry (IHC) of anti-ZNRD1 antibody
MBS9609772 at 1/100 staining Human brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZNRD1. It may not necessarily be applicable to this product.

NCBI GI #	525343323
NCBI GeneID	30834
NCBI Accession #	NP_001265714.1
UniProt Primary Accession #	Q9P1U0
UniProt Related Accession #	Q9P1U0
GenBank Nucleotide #	NM_001278785.1
NCBI Official Full Name	DNA-directed RNA polymerase I subunit RPA12
NCBI Official Synonym Full Names	zinc ribbon domain containing 1
NCBI Official Symbol	ZNRD1
NCBI Official Synonym Symbols	TEX6; ZR14; HTEX6; Rpa12; hZR14; HTEX-6; TCTEX6; tctex-6
UniProt Protein Name	DNA-directed RNA polymerase I subunit RPA12
UniProt Synonym Protein Names	Zinc ribbon domain-containing protein 1
Protein Family	Putative uncharacterized protein
UniProt Gene Name	ZNRD1
UniProt Synonym Gene Names	RPA12
NCBI Protein Information	DNA-directed RNA polymerase I subunit RPA12
NCBI Summary for ZNRD1	This gene encodes a DNA-directed RNA polymerase I subunit. The encoded protein contains two potential zinc-binding motifs and may play a role in regulation of cell proliferation. The encoded protein may be involved in cancer and human immunodeficiency virus progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
UniProt Comments for ZNRD1	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase I which synthesizes ribosomal RNA precursors.

Research Articles on ZNRD1	**1.** Findings suggest a tumor suppressor function for ZNRD1 gene and a tumor contributor function for long noncoding RNAs (lncRNAs) ZNRD1-AS1 in the process of carcinogenesis of lung cancer.
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