ZNF76 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZNF76, Polyclonal Antibody
Full Product Name	ZNF76 Antibody
Product Gene Name	anti-ZNF76 antibody
Product Synonym Gene Name	ZNF76
Product Synonym Names	ZNF523; Zfp523; D6S229E
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification
Specificity	The antibody detects endogenous levels of total ZNF76 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	61,831 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (35227510..35263760). Location: 6p21.31
OMIM	194549
3D Structure	ModBase 3D Structure for P36508
Immunogen	Synthetic peptide of human ZNF76
Product Categories/Family for anti-ZNF76 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ZNF76 antibody	Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-ZNF76 antibody	WB: 1:200-1000 IHC: 1: 20-100
Related Product Information for anti-ZNF76 antibody	ZNF76, also known as ZNF523 or Zfp523, is a transcriptional repressor expressed in the testis. It is the human homolog of the Xenopus Staf protein (selenocysteine tRNA gene transcription-activating factor) known to regulate the genes encoding small nuclear RNA and selenocysteine tRNA. ZNF76 localizes to the nucleus and exerts an inhibitory function on p53-mediated transactivation. ZNF76 specifically targets TFIID (TATA-binding protein). The interaction with TFIID occurs through both its N and C termini. The transcriptional repression activity of ZNF76 is predominantly regulated by lysine modifications, acetylation and sumoylation. ZNF76 is sumoylated by PIAS 1 and is acetylated by p300. Acetylation leads to the loss of sumoylation and a weakened TFIID interaction. ZNF76 can be deacetylated by HDAC1. In addition to lysine modifications, ZNF76 activity is also controlled by splice variants. Two isoforms exist due to alternative splicing. These isoforms vary in their ability to interact with TFIID
Other Notes	Small volumes of anti-ZNF76 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 ZNF76 purchase	MBS8594375 is an antibody targeting ZNF76. Also known as ZNF76 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZNF76. It may not necessarily be applicable to this product.

NCBI GI #	21361146
NCBI GeneID	7629
NCBI Accession #	NP_003418.2
UniProt Primary Accession #	P36508
UniProt Secondary Accession #	Q9BQB2
UniProt Related Accession #	P36508
GenBank Nucleotide #	NM_003427.3
NCBI Official Full Name	zinc finger protein 76
NCBI Official Synonym Full Names	zinc finger protein 76
NCBI Official Symbol	ZNF76
NCBI Official Synonym Symbols	ZNF523; Zfp523; D6S229E
UniProt Protein Name	Zinc finger protein 76
UniProt Synonym Protein Names	Zinc finger protein 523
Protein Family	Zinc finger protein
UniProt Gene Name	ZNF76
UniProt Synonym Gene Names	D6S229E; ZNF523
UniProt Entry Name	ZNF76_HUMAN
NCBI Protein Information	zinc finger protein 76; zinc finger protein 523; zinc finger protein 76 (expressed in testis)
UniProt Comments for ZNF76	ZNF76: May be involved in transcriptional regulation. Belongs to the krueppel C2H2-type zinc-finger protein family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 6p21.31 Cellular Component: nucleus Molecular Function: DNA binding; metal ion binding Biological Process: regulation of transcription from RNA polymerase II promoter; transcription, DNA-dependent; regulation of transcription from RNA polymerase III promoter
Research Articles on ZNF76	**1.** Observational study of gene-disease association and gene-gene interaction. (HuGE Navigator)
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