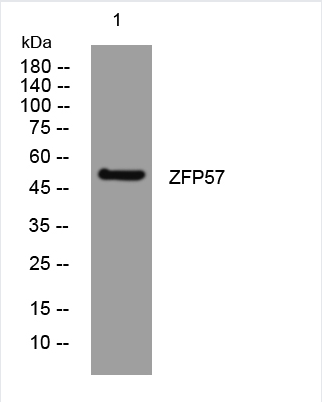
ZFP57 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZFP57, Polyclonal Antibody
Full Product Name	ZFP57 Antibody
Product Gene Name	anti-ZFP57 antibody
Product Synonym Names	ZFP57
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	This antibody detects endogenous levels of ZFP57 at Human/Mouse/Rat
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	61,358 Da
OMIM	601410
3D Structure	ModBase 3D Structure for Q9NU63
Immunogen	Synthesized peptide derived from human ZFP57 AA range: 373-423
Modification	Unmodified/Total
Product Categories/Family for anti-ZFP57 antibody	Primary Antibodies
Applications Tested/Suitable for anti-ZFP57 antibody	Western Blot (WB)
Application Notes for anti-ZFP57 antibody	WB: 1:500-2000
Related Product Information for anti-ZFP57 antibody	The protein encoded by this gene is a zinc finger protein containing a KRAB domain. Studies in mouse suggest that this protein may function as a transcriptional repressor. Mutations in this gene have been associated with transient neonatal diabetes mellitus type 1 (TNDM1).[provided by RefSeq, Sep 2009]
Other Notes	Small volumes of anti-ZFP57 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 ZFP57 purchase	MBS9521192 is an antibody targeting ZFP57. Also known as ZFP57 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ZFP57 antibody
Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4 degree over night

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZFP57. It may not necessarily be applicable to this product.

NCBI GI #	88992633
NCBI GeneID	346171
NCBI Accession #	XP_294093
UniProt Primary Accession #	Q9NU63
UniProt Secondary Accession #	Q5SSB1; B0S894; B0V254; B2RXJ7
UniProt Related Accession #	Q9NU63
GenBank Nucleotide #	XM_294093.6
NCBI Official Synonym Full Names	ZFP57 zinc finger protein
NCBI Official Symbol	ZFP57
NCBI Official Synonym Symbols	TNDM1; ZNF698; C6orf40; bA145L22; bA145L22.2
UniProt Protein Name	Zinc finger protein 57 homolog
UniProt Synonym Protein Names	Zinc finger protein 698
Protein Family	Zinc finger protein
UniProt Gene Name	ZFP57
UniProt Synonym Gene Names	C6orf40; ZNF698; Zfp-57
UniProt Entry Name	ZFP57_HUMAN
NCBI Protein Information	zinc finger protein 57 homolog

UniProt Comments for ZFP57	ZFP57: Transcription regulator required to maintain maternal and paternal gene imprinting, a process by which gene expression is restricted in a parent of origin-specific manner by epigenetic modification of genomic DNA and chromatin, including DNA methylation. Acts by controlling DNA methylation during the earliest multicellular stages of development at multiple imprinting control regions. Required for the establishment of maternal methylation imprints at SNRPN locus. Acts as a transcriptional repressor in Schwann cells. Defects in ZFP57 are the cause of transient neonatal diabetes mellitus type 1 (TNDM1). Neonatal diabetes is a form of diabetes mellitus defined by the onset of mild-to- severe hyperglycemia within the first months of life. In about half of the neonates, diabetes is transient and resolves at a median age of 3 months, whereas the rest have a permanent form of diabetes. The major cause of TNDM1 is aberrant expression of imprinted genes at chromosome 6q24, associated in 20% of cases with DNA hypomethylation at the transient neonatal diabetes differentially methylated region (DMR), which lies within the imprinted promoter of the PLAGL1 gene. Over 50% of individuals with transient neonatal diabetes and hypomethylation at 6q24 also show mosaic DNA hypomethylation at other imprinted loci throughout the genome and a range of additional clinical features. Belongs to the krueppel C2H2-type zinc-finger protein family. ZFP57 subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 6p22.1 Cellular Component: nuclear heterochromatin Molecular Function: DNA binding; metal ion binding Biological Process: genetic imprinting; transcription, DNA-dependent; negative regulation of transcription from RNA polymerase II promoter; DNA methylation during embryonic development; peripheral nervous system development Disease: Diabetes Mellitus, Transient Neonatal, 1
Research Articles on ZFP57	**1.** ZFP57 regulates the expression of insulin-like growth factor 2 (IGF2), which has a critical role in ZFP57-induced anchorage-independent growth
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