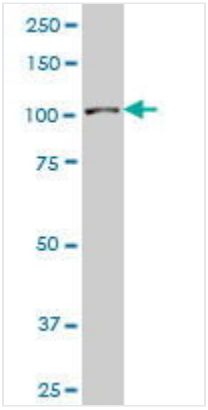
SP3 Antibody – Mouse Monoclonal

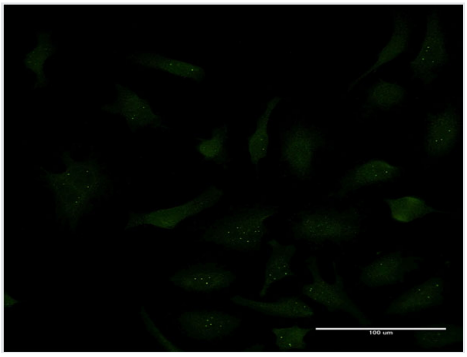
PRODUCT OVERVIEW

Product Name	SP3, Monoclonal Antibody
Full Product Name	SP3 (Sp3 Transcription Factor, DKFZp686O1631, SPR-2) (PE)
Product Gene Name	anti-SP3 antibody
Product Synonym Names	Sp3 Transcription Factor; DKFZp686O1631; SPR-2
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	400000
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified
Specificity	Recognizes SP3.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	82kDa
OMIM	601804
3D Structure	ModBase 3D Structure for Q02447
Immunogen	SP3 (NP_003102, 287aa-430aa) full length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	TAGINADGHLINTGQAMDSSDNSERTGERVSPDINETNTDTDLFVPTSSSSQLPVTIDSTGILQQNTNSLTTSSGQVHSSDLQGNYIQSPVSEETQAQNIQ
Conjugate	PE
Product Categories/Family for anti-SP3 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-SP3 antibody	ELISA (EIA), Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-SP3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SP3 antibody	This gene belongs to a family of Sp1 related genes that encode transcription factors that regulate transcription by binding to consensus GC- and GT-bo zinc finger DNA-binding domain and several transactivation domains, and has been reported to function as a bifunctional transcription factor that either Transcript variants encoding different isoforms have been described for this gene, and one has been reported to initiate translation from a non-AUG (A alternate downstream translation initiation sites, have also been noted. [provided by RefSeq]

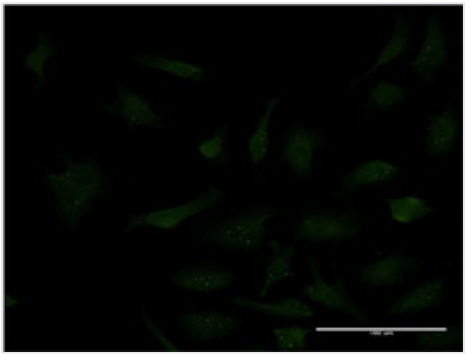
Other Notes	Small volumes of anti-SP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SP3 purchase	MBS6184623 is an antibody targeting SP3. Also known as SP3 (Sp3 Transcription Factor, DKFZp686O1631, SPR-2) (PE). Host: Mouse.



Western Blot (WB) of anti-SP3 antibody
SP3 monoclonal antibody (M09), clone 4E5. Western Blot analysis of SP3 expression in human stomach.



Immunofluorescence (IF) of anti-SP3 antibody
Immunofluorescence of monoclonal antibody to SP3 on HeLa cell. [antibody concentration 10 ug/ml]



Immunofluorescence (IF) of anti-SP3 antibody
Immunofluorescence of monoclonal antibody to SP3 on HeLa cell. [antibody concentration 10 ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SP3. It may not necessarily be applicable to this product.

NCBI GI #	289577125
NCBI GeneID	6670
NCBI Accession #	NP_003102
UniProt Primary Accession #	Q02447
UniProt Related Accession #	Q02447
GenBank Nucleotide #	NM_003111
NCBI Official Full Name	transcription factor Sp3 isoform 2
NCBI Official Synonym Full Names	Sp3 transcription factor
NCBI Official Symbol	SP3
NCBI Official Synonym Symbols	SPR2
UniProt Protein Name	Transcription factor Sp3

UniProt Synonym Protein Names	SPR-2
Protein Family	Transcription factor
UniProt Gene Name	SP3
UniProt Entry Name	SP3_HUMAN
NCBI Protein Information	transcription factor Sp3
NCBI Summary for SP3	This gene belongs to a family of Sp1 related genes that encode transcription factors that regulate transcription by binding to consensus GC- and GT-box regulatory elements in target genes. This protein contains a zinc finger DNA-binding domain and several transactivation domains, and has been reported to function as a bifunctional transcription factor that either stimulates or represses the transcription of numerous genes. Transcript variants encoding different isoforms have been described for this gene, and one has been reported to initiate translation from a non-AUG (AUA) start codon. Additional isoforms, resulting from the use of alternate downstream translation initiation sites, have also been noted. A related pseudogene has been identified on chromosome 13. [provided by RefSeq, Feb 2010]
UniProt Comments for SP3	Transcriptional factor that can act as an activator or repressor depending on isoform and/or post-translational modifications. Binds to GT and GC boxes promoter elements. Competes with SP1 for the GC-box promoters. Weak activator of transcription but can activate a number of genes involved in different processes such as cell-cycle regulation, hormone-induction and house-keeping.
Research Articles on SP3	**1.** expression of the nearby cyclindependent kinase inhibitor 1C (CDKN1C) gene was revealed to be upregulated after SP3 knockdown in cells that possessed non-risk alleles. This suggests that CDKN1C is potentially one of the functional targets of SNP rs163184, which modulates the binding activity of the locus for Sp3 and Lsd1/Kdm1a
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/monoclonal-antibody/sp3/6184623