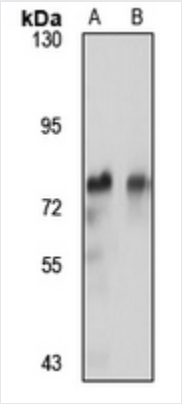
SP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Sp4, Polyclonal Antibody
Full Product Name	Anti-Sp4 Antibody
Product Gene Name	anti-SP4 antibody
Product Synonym Names	Transcription factor Sp4; SPR-1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of Sp4 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	81,985 Da
OMIM	600540
3D Structure	ModBase 3D Structure for Q02446
Immunogen	Recombinant fusion protein of human Sp4. The exact sequence is proprietary.
Applications Tested/Suitable for anti-SP4 antibody	Western Blot (WB)
Application Notes for anti-SP4 antibody	WB: 1:500-1:2000
Related Product Information for anti-SP4 antibody	MBS8308224 is an antibody targeting SP4. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to Sp4
Other Notes	Small volumes of anti-SP4 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.



Western Blot (WB) of anti-SP4 antibody
Western blot analysis of Sp4 expression in mouse spleen (A), rat thymus (B) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SP4. It may not necessarily be applicable to this product.

NCBI GI #	218511800
NCBI GeneID	6671
NCBI Accession #	Q02446.2
UniProt Primary Accession #	Q02446
UniProt Secondary Accession #	Q62445
UniProt Related Accession #	Q02446
NCBI Official Full Name	Transcription factor Sp4
NCBI Official Synonym Full Names	Sp4 transcription factor
NCBI Official Symbol	SP4
NCBI Official Synonym Symbols	HF1B; SPR-1
UniProt Protein Name	Transcription factor Sp4
UniProt Synonym Protein Names	SPR-1
Protein Family	Transcription factor
UniProt Gene Name	SP4
UniProt Entry Name	SP4_HUMAN
NCBI Protein Information	transcription factor Sp4
UniProt Comments for SP4	SP4: Binds to GT and GC boxes promoters elements. Probable transcriptional activator. Belongs to the Sp1 C2H2-type zinc-finger protein family. Protein type: Transcription factor; DNA-binding; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 7p15.3 Cellular Component: microtubule cytoskeleton; nucleoplasm; intercellular bridge; cytoplasm Molecular Function: DNA binding; metal ion binding; transcription coactivator activity Biological Process: transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter; regulation of heart contraction
Research Articles on SP4	**1.** This study shows reduced SP4 protein levels in first-episode psychosis in lymphocytes, suggesting that these transcription factors are potential peripheral biomarkers of psychotic spectrum disorders in the early stages.
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