

Datasheet for ABIN2777872
anti-Sp3 antibody (Middle Region)

4 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Sp3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Rabbit, Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sp3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SP3
Sequence:	TAGINADGHL INTGQAMDSS DNSERTGERV SPDINETNTD TDLFVPTSSS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SP3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Sp3
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Target Details

Alternative Name: SP3 ([Sp3 Products](#))

Background: SP3 is a transcriptional factor that can act as an activator or repressor, probably in a isoform-specific manner. SP3 binds to GT and GC boxes promoters elements. 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.

Alias Symbols: DKFZp686O1631, SPR-2, SPR2

Protein Interaction Partner: SP1, SUMO1, PPP2R4, PPP1CC, GCH1, HLTf, TFAP4, YY1, SUMO2, UBC, RELA, MECP2, HDAC2, HDAC1, ZBTB7B, EP300, CRX, TP53, NKX3-1, CREBBP, CEBPB, ESR1, DNMT1, SFPQ, PIAS1, GRIN1, GABPA, ZBTB7A, UBE2I, STK19, RBBP4, E2F1, RB1, SP4, TNFSF10, SENP1,

Protein Size: 781

Molecular Weight: 82 kDa

Gene ID: 6670

NCBI Accession: [NM_003111](#), [NP_003102](#)

UniProt: [Q02447](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 781 AA

Restrictions: For Research Use only

Handling

Format: Liquid

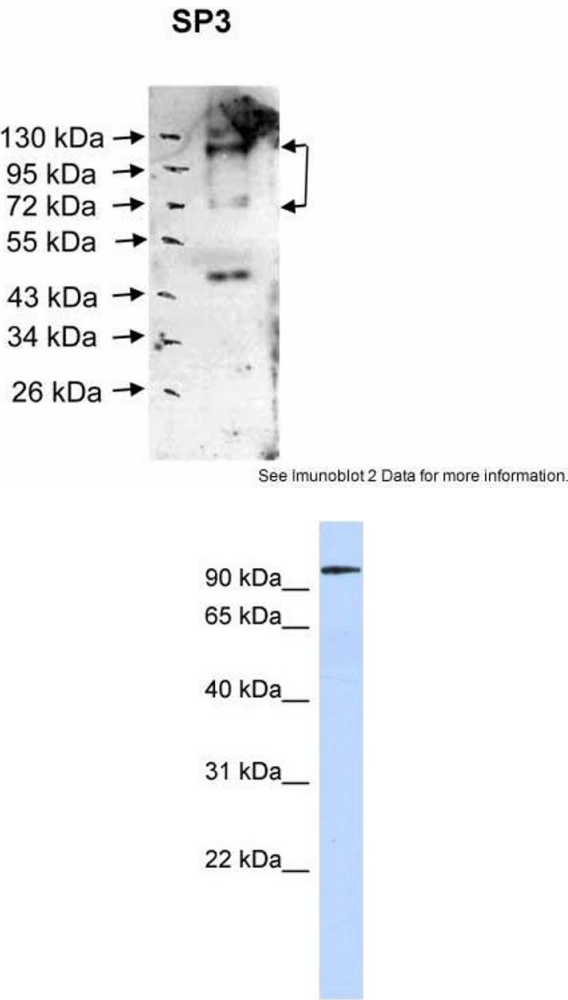
Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Sample Type: Human nuclear cell extracts (30ug)

Primary Dilution: 1:1000

Secondary Antibody: anti-Rabbit HRP

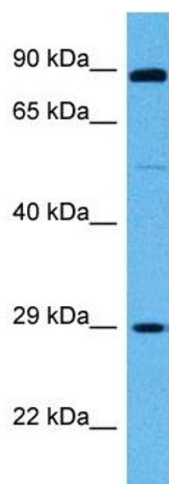
Secondary Dilution: 1:20000

Image Submitted By: Katarina Luciakova

Cancer Research Institute .

Western Blotting

Image 2. WB Suggested Anti-SP3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle



Western Blotting

Image 3. Host: Mouse Target Name: SP3 Sample Tissue: Mouse Skeletal Muscle Antibody Dilution: 1ug/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2777872.