

Anti-SP4 Picoband Antibody
Catalog # ABO12245**Specification**

Anti-SP4 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q02446
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Transcription factor Sp4(SP4) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-SP4 Picoband Antibody - Additional Information

Gene ID 6671

Other Names

Transcription factor Sp4, SPR-1, SP4

Calculated MW

81985 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Nucleus.

Tissue Specificity

Abundant in brain.

Protein Name

Transcription factor Sp4

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human SP4 (592-620aa AVSPDQLTQVHLQGGQQTSDQEVQPGKRL), different from the related mouse sequence by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the Sp1 C2H2-type zinc-finger protein family.

Anti-SP4 Picoband Antibody - Protein Information

Name SP4

Function

Binds to GT and GC boxes promoters elements. Probable transcriptional activator.

Cellular Location

Nucleus.

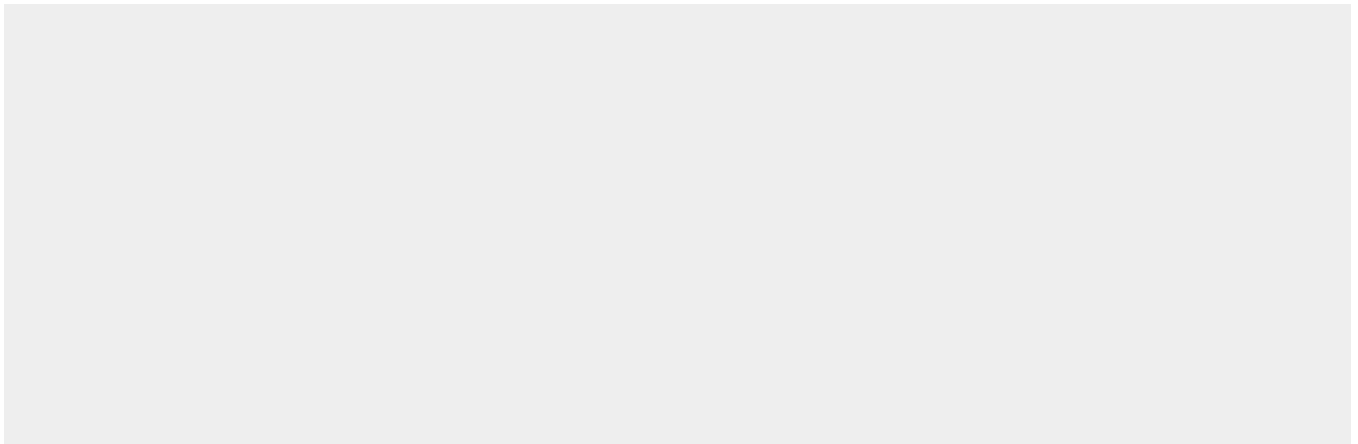
Tissue Location

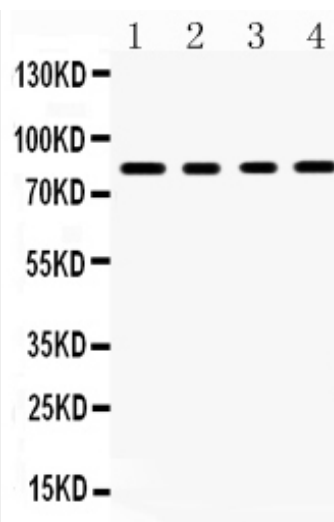
Abundant in brain.

Anti-SP4 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SP4 Picoband Antibody - Images



Anti- SP4 Picoband antibody, ABO12245, Western blotting
All lanes: Anti SP4 (ABO12245) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: Mouse Brain Tissue Lysate at 50ug
Lane 3: U87 Whole Cell Lysate at 40ug
Lane 4: HELA Whole Cell Lysate at 40ug
Predicted bind size: 82KD
Observed bind size: 82KD

Anti-SP4 Picoband Antibody - Background

SP4(Sp4 transcription factor), also known as Transcription factor Sp4, MGC130008, MGC130009, SPR-1, HF1B, is a protein that in humans is encoded by the SP4 gene. It is a multigene family of SP proteins. Northern blot analysis that SP4 is abundantly expressed as a 7.5-kb message in brain, but barely detectable in other human cell lines. SP4 is an activator protein like SP1. However, in contrast to SP1, SP4 is not able to act synergistically through adjacent binding sites.