

**Anti-SP2 Picoband Antibody**  
**Catalog # ABO12244****Specification**

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**Anti-SP2 Picoband Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q02086</a> |
| Host              | Rabbit                 |
| Reactivity        | Human, Rat             |
| Clonality         | Polyclonal             |
| Format            | Lyophilized            |

**Description**

Rabbit IgG polyclonal antibody for Transcription factor Sp2(SP2) detection. Tested with WB in Human;Rat.

**Reconstitution**

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

**Anti-SP2 Picoband Antibody - Additional Information**

**Gene ID** 6668

**Other Names**

Transcription factor Sp2, SP2, KIAA0048

**Calculated MW**

64900 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Rat<br>

**Subcellular Localization**

Nucleus.

**Protein Name**

Transcription factor Sp2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

**Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human SP2 (312-343aa QVVQIPQQALRVVQAASATLPTVPQKPSQNFQ), identical to the related mouse sequence.

**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-SP2 Picoband Antibody - Protein Information**

**Name** SP2

**Synonyms** KIAA0048

**Function**

Binds to GC box promoters elements and selectively activates mRNA synthesis from genes that contain functional recognition sites.

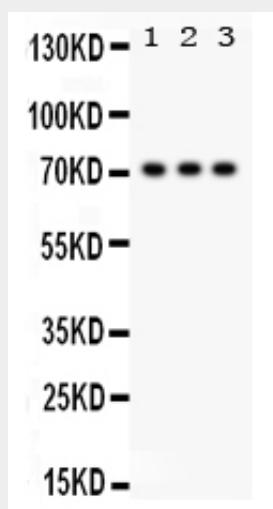
**Cellular Location**

Nucleus.

**Anti-SP2 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-SP2 Picoband Antibody - Images**

Anti- SP2 Picoband antibody, ABO12244, Western blottingAll lanes: Anti SP2 (ABO12244) at 0.5ug/mlLane 1: Rat Lung Tissue Lysate at 50ugLane 2: A549 Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugPredicted bind size: 72KDObserved bind size: 72KD

#### **Anti-SP2 Picoband Antibody - Background**

Transcription factor Sp2 is a protein that in humans is encoded by the SP2 gene. This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding proteins characterized by an amino-terminal trans-activation domain and three carboxy-terminal zinc finger motifs. This protein contains the least conserved DNA-binding domain within the Sp subfamily of proteins, and its DNA sequence specificity differs from the other Sp proteins. It localizes primarily within subnuclear foci associated with the nuclear matrix, and can activate or in some cases repress expression from different promoters.