

Anti-SP2 Picoband Antibody

Catalog # ABO12244

Product Information

Application	WB
Primary Accession	Q02086
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.

Additional Information

Gene ID	6668
Other Names	Transcription factor Sp2, SP2, KIAA0048
Calculated MW	64900
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat
Subcellular Localization	Nucleus.
Source	Eukaryota
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.

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.

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.

Images



Anti- SP2 Picoband antibody, ABO12244, Western blotting
All lanes: Anti SP2 (ABO12244) at 0.5ug/ml
Lane 1: Rat Lung Tissue Lysate at 50ug
Lane 2: A549 Whole Cell Lysate at 40ug
Lane 3: HELA Whole Cell Lysate at 40ug
Predicted bind size: 72KD
Observed bind size: 72KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.