

Anti-SP4 Antibody

Catalog # ABO11172

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.

Additional Information

Gene ID	6671
Other Names	Transcription factor Sp4, SPR-1, SP4
Calculated MW	81985
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse
Subcellular Localization	Nucleus.
Tissue Specificity	Abundant in brain.
Source	Eukaryota
Protein Name	Transcription factor Sp4
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SP4 (29-44aa ENNNKKPKTSGSQDSQ), identical to the related rat sequence, and 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.

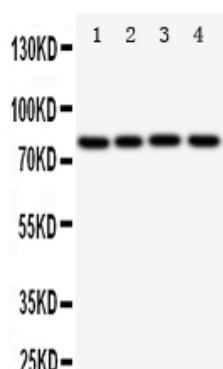
Protein Information

Name	SP4
Function	Binds to GT and GC boxes promoters elements. Probable transcriptional activator.
Cellular Location	Nucleus.
Tissue Location	Abundant in brain.

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.

Images



Anti-SP4 antibody, ABO11172, Western blotting
All lanes:
Anti SP4 (ABO11172) at 0.5ug/ml
Lane 1: Rat Spleen Tissue Lysate at 50ug
Lane 2: SGC Whole Cell Lysate at 40ug
Lane 3: HELA Whole Cell Lysate at 40ug
Lane 4: JURKAT Whole Cell Lysate at 40ug
Predicted bind size: 82KD
Observed bind size: 82KD

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