



[Go to Product page](#)

Datasheet for ABIN1695057

## anti-Sp3 antibody (AA 651-750) (Alexa Fluor 488)

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | Sp3  |
| Binding Specificity: | AA 651-750   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This Sp3 antibody is conjugated to Alexa Fluor 488   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human SP3 |
| Isotype:              | IgG   |
| Predicted Reactivity: | Human,Mouse,Rat,Cow,Chicken,Rabbit                      |
| Purification:         | Purified by Protein A.                                  |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | Sp3  |
| Alternative Name: | SP3 ( <a href="#">Sp3 Products</a> )   |
| Background:       | Synonyms: D130027J01Rik, DKFZp686O1631, GC binding transcription factor Sp 3, GC binding |

## Target Details

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transcription factor Sp3, MGC105187, OTTMUSP00000014207, SP 3, Sp 3 transcription factor, SP3, Sp3 transcription factor, SP3\_HUMAN, Specicity protein 3, SPR 2, SPR-2, SPR2, Transcription factor SP 3, Transcription factor SP3, Transcription factor Sp3.

Background: The Sp transcription factor family includes Sp1, Sp2, Sp3 (SPR-2) and Sp4 (SPR-1). Sp transcription factors share similar structures but do not share similar functions. All four proteins contain a highly conserved DNA-binding domain composed of three zinc fingers at the C-terminus. Sp family members bind the consensus sequence GGGGCGGGC and other closely related sequences which are known as GC boxes. Sp1, Sp3 and Sp4 share a high affinity for GC boxes while Sp2 does not. Sp2 only weakly binds to GT boxes. Sp1, Sp2 and Sp3 are ubiquitously expressed, while Sp4 is abundantly expressed in brain with limited expression in other tissues. Sp1 and Sp3, but not Sp2 or Sp4, interact with E2, a regulatory element for the 4 subunit of neuronal nicotinic acetylcholine receptors. Sp3 is the only Sp member to inhibit Sp1 and Sp4 media

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months