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# RSRC1 Antibody
**Catalog # ASC11068**

## Specification

### RSRC1 Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC, IF** |
| Primary Accession | Q96IZ7 |
| Other Accession | NP_057709, 38488727 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **IgG** |
| Application Notes | **RSRC1 antibody can be used for detection of RSRC1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.** |

### RSRC1 Antibody - Additional Information

| | |
|---|---|
| Gene ID | **51319** |

**Target/Specificity**
RSRC1;

**Reconstitution & Storage**
RSRC1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**
RSRC1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### RSRC1 Antibody - Protein Information

**Name** RSRC1

**Synonyms** SRRP53

**Function**
Has a role in alternative splicing and transcription regulation (PubMed:<a href="http://www.uniprot.org/citations/29522154" target="_blank">29522154</a>). Involved in both constitutive and alternative pre-mRNA splicing. May have a role in the recognition of the 3' splice site during the second step of splicing.

**Cellular Location**
Nucleus. Nucleus speckle. Cytoplasm. Note=Shuttles between the nucleus and cytoplasm.

**Tissue Location**

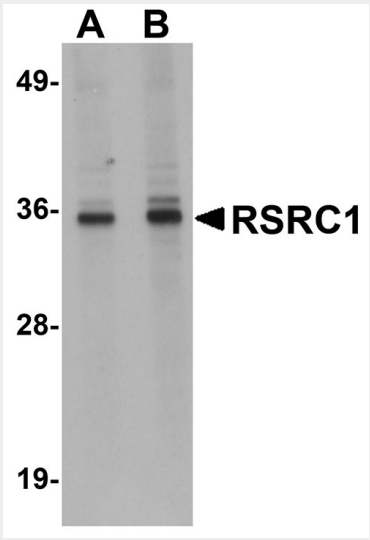
Widely expressed. Expressed in brain, spinal cord, cerebellum.

**RSRC1 Antibody - Protocols**

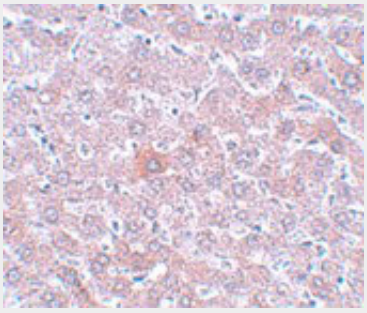
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**RSRC1 Antibody - Images**

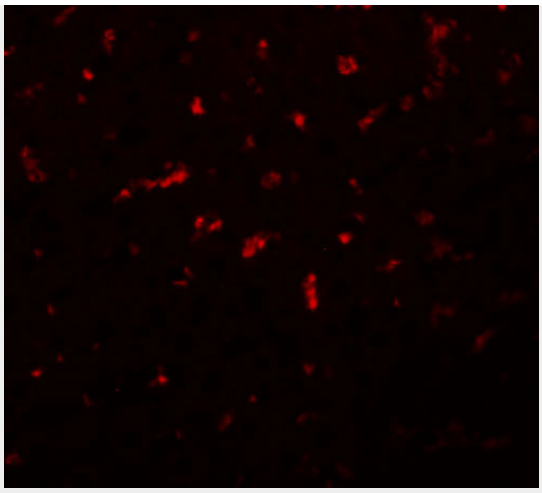



Western blot analysis of RSRC1 in HepG2 cell lysate with RSRC1 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of RSRC1 in rat liver tissue with RSRC1 antibody at 5 µg/mL.

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Immunofluorescence of RSRC1 in rat liver tissue with RSRC1 antibody at 20 µg/mL.

**RSRC1 Antibody - Background**

RSRC1 Antibody: The arginine/serine-rich coiled-coil 1 protein (RSRC1) was initially identified as a non-snRNP splicing factor that has a role in both the constitutive and alternative splicing of pre-mRNA molecules. In cellular nuclear extracts immunodepleted of RSRC1, the second step of pre-mRNA splicing is blocked; recombinant RSRC1 is able to restore splicing activity. RSRC1 has also been reported to be associated with schizophrenia as well as a unique marker of bone marrow-derived stem cells that also express the cdc34 marker.

**RSRC1 Antibody - References**

Cazalla D, Newton K, and Caceres JF. A noel SR-related protein is required for the second step of pre-mRNA splicing. Mol. Cell. Biol.2005; 25:2969-80.
Potkin SG, Turner JA, Fallon JA, et al. Gene discovery through imaging genetics: identification of two novel genes associated with schizophrenia. Mol. Psych.2009; 14:416-28.
Zhang QH, Ye M, Wu XY, et al. Cloning and functional analysis of cDNAs with open reading frames for 300 previously unidentified genes expressed in CD34+ hematopoietic stem/progenitor cells. Genome Res./i> 2008; 18:640-3.