

**RSRC1 Antibody**  
Catalog # ASC11068**Specification****RSRC1 Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">O96I27</a>
Other Accession	<a href="#">NP_057709</a> , <a href="#">38488727</a>
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°C for three months and -20°C, 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**

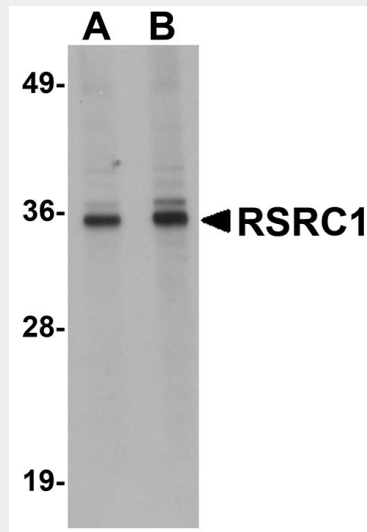
Widely expressed. Expressed in brain, spinal cord, cerebellum.

### RSRC1 Antibody - Protocols

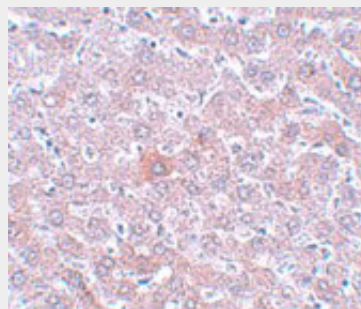
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

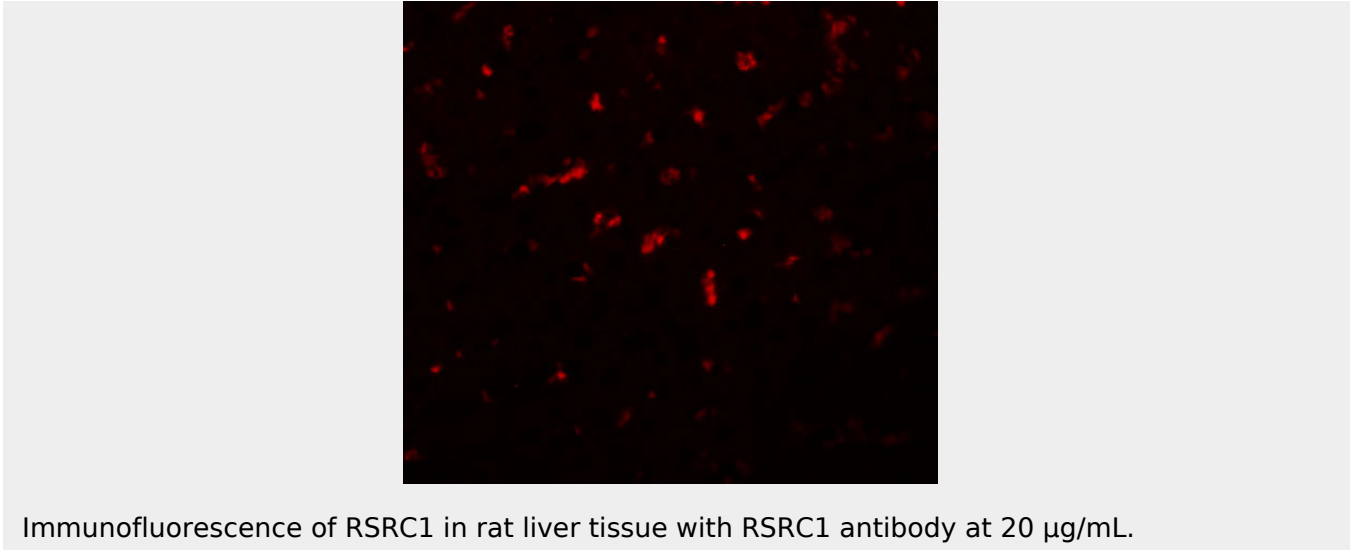
### RSRC1 Antibody - Images



Western blot analysis of RSRC1 in HepG2 cell lysate with RSRC1 antibody at (A) 1 and (B) 2  $\mu\text{g/mL}$ .



Immunohistochemistry of RSRC1 in rat liver tissue with RSRC1 antibody at 5  $\mu\text{g/mL}$ .



### **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 novel 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.* 2008; 18:640-3.