

**PSRC1 Antibody (C-Term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10177b****Specification**

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**PSRC1 Antibody (C-Term) Blocking peptide - Product Information**

Primary Accession [Q6PGN9](#)  
Other Accession [NP\\_001027462.1](#), [NP\\_116025.1](#),  
[NP\\_001005290.1](#)

**PSRC1 Antibody (C-Term) Blocking peptide - Additional Information**

**Gene ID** 84722

**Other Names**

Proline/serine-rich coiled-coil protein 1, PSRC1, DDA3

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PSRC1 Antibody (C-Term) Blocking peptide - Protein Information**

**Name** PSRC1

**Synonyms** DDA3

**Function**

Required for normal progression through mitosis. Required for normal congress of chromosomes at the metaphase plate, and for normal rate of chromosomal segregation during anaphase. Plays a role in the regulation of mitotic spindle dynamics. Increases the rate of turnover of microtubules on metaphase spindles, and contributes to the generation of normal tension across sister kinetochores. Recruits KIF2A and ANKRD53 to the mitotic spindle and spindle poles. May participate in p53/TP53-regulated growth suppression.

**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole.  
Note=Detected at the mitotic spindle and spindle poles. Diffusely distributed throughout the cell during interphase

**Tissue Location**

Widely expressed in adult and fetal tissues, with highest expression in the adult brain and fetal

thymus. Not detected in adult skeletal muscle.

### **PSRC1 Antibody (C-Term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **PSRC1 Antibody (C-Term) Blocking peptide - Images**

### **PSRC1 Antibody (C-Term) Blocking peptide - Background**

This gene encodes a proline-rich protein. Studies of this gene and the related mouse gene suggest that this gene is regulated by p53 and may participate in p53-mediated growth suppression. The encoded protein may function as a microtubule destabilizing protein that controls spindle dynamics and mitotic progression by recruiting and regulating microtubule depolymerases. At least one genetic variation in this gene has been associated with decreased serum levels of low-density lipoprotein cholesterol. Alternatively spliced transcript variants encoding different isoforms have been described.

### **PSRC1 Antibody (C-Term) Blocking peptide - References**

Hu, M., et al. Pharmacogenet. Genomics 20(10):634-637(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Roder, C., et al. Childs Nerv Syst (2010) In press : Keebler, M.E., et al. Circ Cardiovasc Genet 3(4):358-364(2010) Hsieh, W.J., et al. Biochem. Biophys. Res. Commun. 369(2):567-572(2008)