

**SPT13 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5504c****Specification**

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**SPT13 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O96N96](#)  
Other Accession [NP\\_694568.1](#)

**SPT13 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 221178

**Other Names**

Spermatogenesis-associated protein 13, APC-stimulated guanine nucleotide exchange factor 2, Asef2, SPATA13

**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.

**SPT13 Antibody (Center) Blocking peptide - Protein Information**

**Name** SPATA13 {ECO:0000303|PubMed:28397838, ECO:0000312|HGNC:HGNC:23222}

**Function**

Acts as a guanine nucleotide exchange factor (GEF) for RHOA, RAC1 and CDC42 GTPases. Regulates cell migration and adhesion assembly and disassembly through a RAC1, PI3K, RHOA and AKT1-dependent mechanism. Increases both RAC1 and CDC42 activity, but decreases the amount of active RHOA. Required for MMP9 up-regulation via the JNK signaling pathway in colorectal tumor cells. Involved in tumor angiogenesis and may play a role in intestinal adenoma formation and tumor progression.

**Cellular Location**

Cytoplasm. Cell projection, filopodium. Cell projection, lamellipodium. Cell projection, ruffle membrane. Cell projection, podosome {ECO:0000250|UniProtKB:Q5DU57}. Note=Accumulates in the lamellipodium and ruffle membrane in response to hepatocyte growth factor (HGF) treatment. Localized to the core of myotube podosomes (By similarity). {ECO:0000250|UniProtKB:Q5DU57}

**Tissue Location**

Expressed at high levels in the placenta, spleen and kidney, at moderate levels in lung, small intestine, liver, brain and heart, and at low levels in skeletal muscle. Expression is aberrantly

enhanced in most colorectal tumors

### **SPT13 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **SPT13 Antibody (Center) Blocking peptide - Images**