

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

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 Note=Accumulates in the lamellipodium and ruffle membrane in response to hepatocyte growth factor (HGF) treatment

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