

**SAPCD2 Blocking Peptide (C-Term)**  
**Synthetic peptide**  
**Catalog # BP21936b****Specification**

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**SAPCD2 Blocking Peptide (C-Term) - Product Information**Primary Accession [Q86UD0](#)**SAPCD2 Blocking Peptide (C-Term) - Additional Information**

Gene ID 89958

**Other Names**

Suppressor APC domain-containing protein 2, Tumor specificity and mitosis phase-dependent expression protein, TS/MDEP, p42.3, SAPCD2, C9orf140

**Target/Specificity**

The synthetic peptide sequence is selected from aa 353-367 of HUMAN SAPCD2

**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.

**SAPCD2 Blocking Peptide (C-Term) - Protein Information**Name SAPCD2 ([HGNC:28055](#))

Synonyms C9orf140

**Function**

Plays a role in planar mitotic spindle orientation in retinal progenitor cells (RPCs) and promotes the production of symmetric terminal divisions (By similarity). Negatively regulates the mitotic apical cortex localization of GPSP2 (PubMed: [26766442](http://www.uniprot.org/citations/26766442)). Involved also in positive regulation of cell proliferation and tumor cell growth (PubMed: [23576022](http://www.uniprot.org/citations/23576022), PubMed: [23704824](http://www.uniprot.org/citations/23704824)).

**Cellular Location**

Cytoplasm. Nucleus. Cytoplasm, cell cortex. Apical cell membrane {ECO:0000250|UniProtKB:Q9D818}. Cell junction, tight junction. Note=Localized at the apical cortical region during the M phase. In horizontally retinal progenitor dividing cells, localized at the

pole cortical region from prophase to telophase cells. In vertically retinal progenitor dividing cells, not detected at the pole cortical region at any stage of mitosis {ECO:0000250|UniProtKB:Q9D818}

**Tissue Location**

Expressed in 5-month-old fetal tissues, including stomach, intestine, colon, liver, brain, lung, heart, spleen and kidney (PubMed:17525738). Undetectable in non-cancerous adult tissues (PubMed:17525738). Expressed in many primary gastric carcinoma, but almost not in adjacent normal mucosa (PubMed:17525738). Expressed preferentially in M and G1 phases, compared to S and G2 phases (PubMed:17525738). Expression is up-regulated in hepatocellular carcinoma (HCC) and colorectal cancer (CRC) tissues (at protein level) (PubMed:23704824).

**SAPCD2 Blocking Peptide (C-Term) - Protocols**

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

- [Blocking Peptides](#)

**SAPCD2 Blocking Peptide (C-Term) - Images****SAPCD2 Blocking Peptide (C-Term) - References**

Xu X.,et al.Oncogene 26:7371-7379(2007).  
Humphray S.J.,et al.Nature 429:369-374(2004).