

**SDCBP2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16601a****Specification**

---

**SDCBP2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9H190](#)**SDCBP2 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 27111

**Other Names**

Syntenin-2, Syndecan-binding protein 2, SDCBP2, SITAC18

**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.

**SDCBP2 Antibody (N-term) Blocking Peptide - Protein Information**Name SDCBP2 ([HGNC:15756](#))

Synonyms SITAC18

**Function**

Binds phosphatidylinositol 4,5-bisphosphate (PIP2). May play a role in the organization of nuclear PIP2, cell division and cell survival (PubMed:<a href="http://www.uniprot.org/citations/15961997" target="\_blank">15961997</a>).

**Cellular Location**

Cytoplasm. Nucleus, nucleolus Nucleus, nucleoplasm. Cell membrane. Nucleus speckle.  
Note=Associates with intracellular membranes and enriched in the apical region of the cell and in intracellular compartments (PubMed:11102519). Colocalizes with TM4SF1 in the apical region of the cell (PubMed:11102519). Predominantly targeted to nuclear PIP2 pools. Shuttles between several subcellular compartments (PubMed:15961997). PIP2 plays an important role in the distribution of SDCBP2 (PubMed:23300061).

**Tissue Location**

Preferentially expressed in cells of the digestive tract (PubMed:11102519). Low expression in skeletal muscle and kidney (PubMed:11102519). Detected in differentiated keratinocytes of normal and malignant epithelium (PubMed:22623796). In healthy skin, expression is localized in

suprabasal epidermal layers (PubMed:22623796)

### **SDCBP2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **SDCBP2 Antibody (N-term) Blocking Peptide - Images**

### **SDCBP2 Antibody (N-term) Blocking Peptide - Background**

Syntenin 2 binds to the cytoplasmic domains of the syndecans: it contains a tandem repeat of PDZ domains that reacts with the FYA (phe-tyr-ala) C-terminal amino acid sequence of the syndecans. Cells that overexpress the fusion protein show numerous cell surface extensions, suggesting that Syntenin 2 may have an effect on cytoskeleton-membrane organization. Therefore, Syntenin 2 may function as an adaptor that couples syndecans to cytoskeletal proteins or cytosolic downstream signal-effectors.

### **SDCBP2 Antibody (N-term) Blocking Peptide - References**

Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)Deloukas, P., et al. Nature 414(6866):865-871(2001)Koroll, M., et al. J. Biol. Chem. 276(14):10646-10654(2001)Borrelli-Pages, M., et al. Mol. Biol. Cell 11(12):4217-4225(2000)