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SDCBP2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16601a

Specification

SDCBP2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9H190
Other Accession	NP_536737.3, NP_056500.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**31594**
Antigen Region	**98-127**

SDCBP2 Antibody (N-term) - Additional Information

Gene ID 27111

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

Target/Specificity
This SDCBP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-127 amino acids from the N-terminal region of human SDCBP2.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SDCBP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SDCBP2 Antibody (N-term) - 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:15961997).

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).

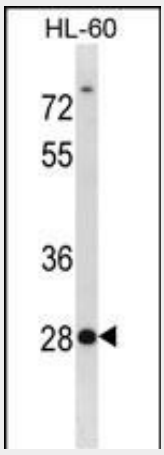
Tissue Location
Preferentially expressed in cells of the digestive tract (PubMed:11102519). Low expression in skeletal muscle and kidney (PubMed:11102519). Detected in differentiated keratinocytes of normal and malignant epithelium (PubMed:22623796). In healthy skin, expression is localized in suprabasal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

SDCBP2 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SDCBP2 Antibody (N-term) - Images



SDCBP2 Antibody (N-term) (Cat. #AP16601a) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the SDCBP2 antibody detected the SDCBP2 protein (arrow).

SDCBP2 Antibody (N-term) - 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) - 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)
Borrell-Pages, M., et al. Mol. Biol. Cell 11(12):4217-4225(2000)