

## Product Information

### Anti-SDCBP (N-terminal)

produced in rabbit, affinity isolated antibody

Product Number **S1576**

#### Product Description

Anti-SDCBP (N-terminal) is produced in rabbit using as the immunogen a synthetic peptide corresponding to a sequence at the N-terminal of human SDCBP (GeneID: 6386), conjugated to KLH. The corresponding sequence differs by 3 amino acids in mouse and 4 amino acids in rat SDCBP. The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-SDCBP (N-terminal) recognizes human SDCBP. The antibody can be used in several immunochemical techniques including immunoblotting (~30 kDa), immunoprecipitation, and immunofluorescence. Detection of the SDCBP band by immunoblotting is specifically inhibited by the immunizing peptide.

Syndecan binding protein (SDCBP), also named syntenin and MDA-9, was initially identified as a molecule linking syndecan-mediated signaling to the cytoskeleton. SDCBP contains tandemly repeated PDZ domains that bind the cytoplasmic, C-terminal domains of a variety of transmembrane proteins. This protein may also affect cytoskeletal-membrane organization, cell adhesion, protein trafficking, and the activation of transcription factors. SDCBP was found to promote metastasis in human melanoma cells by activating c-Src. SDCBP is primarily localized to membrane-associated adherens junctions and focal adhesions but is also found at the endoplasmic reticulum and nucleus. Alternative splicing results in multiple transcript variants encoding different isoforms.<sup>1-2</sup>

#### Reagent

Supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Antibody Concentration: ~1.0 mg/mL

#### Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

#### Storage/Stability

For continuous use, store at 2–8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing, or storage in “frost-free” freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilutions should be discarded if not used within 12 hours.

#### Product Profile

**Immunoblotting:** a working concentration of 2-4 µg/mL is recommended using whole extracts of human HEK-293T cells.

**Immunoprecipitation:** a working amount of 5-10 µg is recommended using lysates of human HeLa cells.

**Immunofluorescence:** a working concentration of 10-20 µg/mL is recommended using human HeLa cells.

**Note:** In order to obtain best results in various techniques and preparations, it is recommended to determine optimal working dilutions by titration.

#### References

1. Boukerche, H. et al., *Proc. Natl. Acad. Sci. USA*, **105**, 15914-15919 (2008).
2. Sarkar, D. et al., *Cancer Res.*, **68**, 3087-3093 (2008).

VS,ST,TD,KAA,PHC,MAM 04/19-1