

## Syntenin-1 Monoclonal Antibody

<b>Catalog No :</b>	YM1100
<b>Reactivity :</b>	Human;Rat;Dog;Pig
<b>Applications :</b>	WB
<b>Target :</b>	Syntenin-1
<b>Gene Name :</b>	SDCBP
<b>Protein Name :</b>	Syntenin-1
<b>Human Gene Id :</b>	6386
<b>Human Swiss Prot No :</b>	O00560
<b>Mouse Swiss Prot No :</b>	O08992
<b>Rat Gene Id :</b>	83841
<b>Rat Swiss Prot No :</b>	Q9JI92
<b>Immunogen :</b>	Purified recombinant human Syntenin-1 protein fragments expressed in E.coli.
<b>Specificity :</b>	Syntenin-1 Monoclonal Antibody detects endogenous levels of Syntenin-1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:1000 - 1:2000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 32kD

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**Background :** syndecan binding protein(SDCBP) Homo sapiens The protein encoded by this gene was initially identified as a molecule linking syndecan-mediated signaling to the cytoskeleton. The syntenin protein 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. The protein 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. [provided by RefSeq, Jul 2008],

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**Function :** function:Seems to function as an adapter protein. In adherens junctions may function to couple syndecans to cytoskeletal proteins or signaling components. Seems to couple transcription factor SOX4 to the IL-5 receptor (IL5RA). May also play a role in vesicular trafficking. Seems to be required for the targeting of TGFA to the cell surface in the early secretory pathway.,induction:By gamma interferon in melanoma cells.,PTM:Phosphorylated on tyrosine residues.,similarity:Contains 2 PDZ (DHR) domains.,subcellular location:Mainly membrane-associated. Localized to adherens junctions, focal adhesions and endoplasmic reticulum. Colocalized with actin stress fibers. Also found in the nucleus. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Monomer and homodimer (By similarity). Interacts with SDC1, SDC2, SDC3, SDC4, NRXN2, EPHA7, EPHB1, NF2 isoform 1, TG

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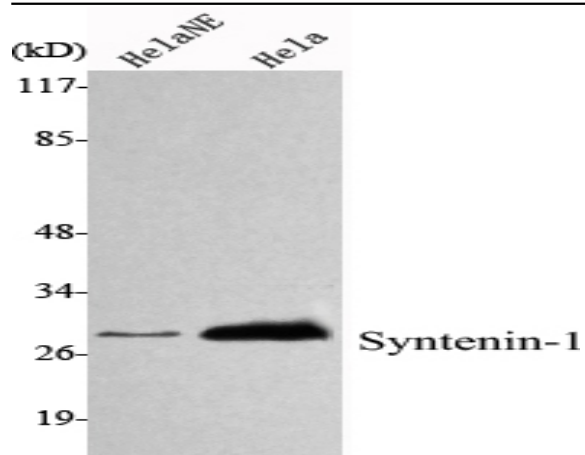
**Subcellular Location :** Cell junction, focal adhesion . Cell junction, adherens junction . Cell membrane ; Peripheral membrane protein . Endoplasmic reticulum membrane ; Peripheral membrane protein . Nucleus . Melanosome . Cytoplasm, cytosol . Cytoplasm, cytoskeleton . Secreted, extracellular exosome . Membrane raft . Mainly membrane-associated. Localized to adherens junctions, focal adhesions and endoplasmic reticulum. Colocalized with actin stress fibers. Also found in the nucleus. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Associated to the plasma membrane in the presence of FZD7 and phosphatidylinositol 4,5-bisphosphate (PIP2) (PubMed:27386966). .

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**Expression :** Expressed in lung cancers, including adenocarcinoma, squamous cell carcinoma and small-cell carcinoma (at protein level) (PubMed:25893292). Widely expressed. Expressed in fetal kidney, liver, lung and brain. In adult highest expression in heart and placenta.

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## Products Images



Western Blot analysis using Syntenin-1 Monoclonal Antibody against HeLa nuclear extract, HeLa cell lysate.