## Catenin-1 Ab

Cat.#: AF4684 Concn.: 1mg/ml Mol.Wt.: 105kDa Size: 50ul,100ul,200ul Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000

Reactivity: Human, Mouse, Rat

Purification: The antiserum was purified by peptide affinity

chromatography using SulfoLink™ Coupling Resin (Thermo

Fisher Scientific).

Specificity: Catenin-1 Ab detects endogenous levels of Catenin-1.

Immunogen: A synthesized peptide derived from human Catenin-1.

Uniprot: 060716

Subcellular Location: Cytoplasm. Nucleus. Cell membrane. Interaction with GLIS2

promotes nuclear translocation (By similarity). NANOS1 induces its translocation from sites of cell-cell contact to the

cytoplasm.

Tissue Specificity: Expressed in vascular endothelium. Melanocytes and

melanoma cells primarily express the long isoform 1A, whereas keratinocytes express shorter isoforms, especially

3A. The shortest isoform 4A, is detected in normal

keratinocytes and melanocytes, and generally lost from cells derived from squamous cell carcinomas or melanomas. The C-terminal alternatively spliced exon B is present in the p120ctn transcripts in the colon, intestine and prostate, but lost in several tumor tissues derived from these organs.

Similarity: A possible nuclear localization signal exists in all isoforms

where Asp-626--631-Arg are deleted.ARM repeats 1 to 5 mediate interaction with cadherins.Belongs to the beta-

catenin family.

Storage Condition and

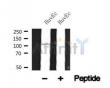
Buffer:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20

°C.Stable for 12 months from date of receipt.



## Affinity Biosciences website:www.affbiotech.com order:order@affbiotech.com



Western blot analysis of Catenin-1 in lysates of HuvEc, using Catenin-1 Ab(AF4684).

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween020 at  $4^{\circ}$ C with gentle shaking, overnight.

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