Product Information Sheet

# Polyclonal Anti-Catenin β

**Catalogue No.** PA1212

**Lot No.** 1121012141289

**Ig type** rabbit IgG

**Size** 100μg/vial

**Specificity**

Human, mouse, rat.

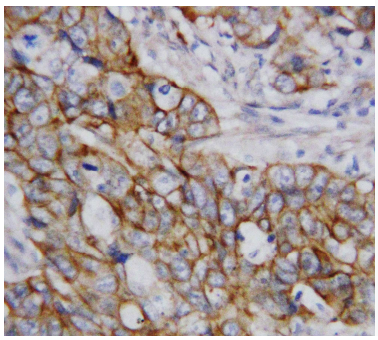
No cross reactivity with other proteins.

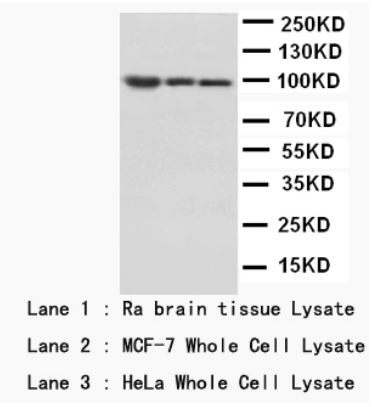
**Recommended application**

*Western blot*

*Immunohistochemistry(P)*

*Immunohistochemistry(F)*






## Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human Catenin β, identical to the related rat and mouse sequence.

**Purity**

Immunogen affinity purified.

## Application

| | Concen-tration | Tested Species | Concluded Species | Antigen Retrieval |
|---|---|---|---|---|
| WB | 1μg/ml | Hu, Rat | Ms | - |
| IHC-P | 1μg/ml | Hu, Rat, Ms | - | By Heat |
| IHC-F | 1μg/ml | Ms | - | - |
| ICC | - | - | - | - |

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg $Na_2HPO_4$, 0.05mg Thimerosal, 0.05mg $NaN_3$.

**Reconstitution**

0.2ml of distilled water will yield a concentration of 500μg/ml.

**Storage**

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

**To reorder contact us at:**

**Antagene, Inc.**

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**email: Info@antageneinc.com**

**BACKGROUND**

Catenins are proteins found in complexes with cadherin cell adhesion molecules of animal cells. The first two catenins that were identified became known as alpha-catenin and beta-catenin.[1] Alpha-catenin can bind to beta-catenin and can also bind actin. Beta-catenin binds the cytoplasmic domain of some cadherins. Beta-catenin is an adherens junction protein. It plays an important role in various aspects of liver biology including liver development (both embryonic and postnatal), liver regeneration following partial hepatectomy. HGF-induced hepatpomegaly, liver zonation, and pathogenesis of liver cancer.[2]

***REFERENCE***


1. N. Peyrieras, D. Louvard and F. Jacob. "Characterization of antigens recognized by monoclonal and polyclonal antibodies directed against uvomorulin" in *Proceedings of the National Academy of Sciences of the United States of America* (1985) Volume 82, pages 8067-8071.
2. Thompson MD, Monga SP (2007). "WNT/beta-catenin signaling in liver health and disease". *Hepatology* 45 (5): 1298–305.