

## beta-Catenin Recombinant antibody

**Cat:** B02003R

**Company:** Haokebio

**Uniprot ID:** P35222

**Applications:** IHC:1:1000-1:4000

**Organism:** Rabbit

IHC-Polymer:1:4000-1:16000

**Species reactivity:** Human Mouse Rat

IHC-TSA:1:5000-1:20000

**Molecular Weight Calculation:** 86 kDa

IF:1:50-1:200

**Observed Molecular Weight:** 92 kDa

WB:1:5000-1:50000

### Background:

$\beta$ -Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein.  $\beta$ -Catenin is a 92-kDa protein, originally identified in cell adherens junctions (AJs) where it functions to bridge the cytoplasmic domain of cadherins to  $\alpha$ -catenin and the actin cytoskeleton. Besides its essential role in the AJs,  $\beta$ -catenin is also a key downstream component of the canonical Wnt pathway that plays diverse and critical roles in embryonic development and adult tissue homeostasis. The Wnt/ $\beta$ -catenin pathway is also involved in the activation of other intracellular messengers such as calcium fluxes, JNK, and SRC kinases. Deregulation of  $\beta$ -catenin activity is associated with multiple diseases including cancers.

### Protein full name:

catenin (cadherin-associated protein), beta 1, 88kDa

### Synonyms:

2J24, b cat, B-catenin, beta-Catenin, Catenin beta 1

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Membrane

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100  $\mu$ g/ml BSA and 50% glycerol.

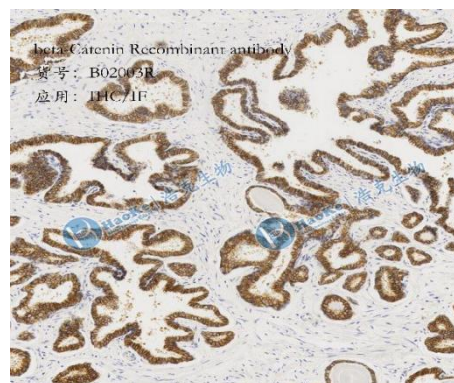
### Storage:

Store at -20 °C for one year.

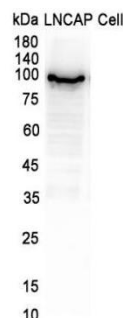
### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 6.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Sample: Mouse prostate, 4% PFA 12-24h



Dilution of 1:10000 incubated at room temperature for 1.5 hours.

**Source of Reagents:**

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