

## Beta-Catenin Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50181

Clone# BP6159

**Predicted Molecular Wt:** P35222kDa

**Species Cross-reactivity:** Human

**Applications:** IHC-P

**Purity:** ProA affinity purified IgG

**Form:** Liquid

**Swissprot ID:** 86

### Background:

Beta-Catenin is a key regulatory protein in Wnt signaling, a pathway that transmits signals from the cytoplasm to the nucleus, turning on the expression of specific genes in the nucleus. Under normal conditions, Beta-Catenin exists mainly in the cell membrane of normal cells, and gene mutations lead to accumulation in the nucleus. At present, Beta-Catenin gene mutation has been found in various tumors, such as colon cancer, lung cancer, prostate cancer, esophageal cancer, breast cancer, ovarian cancer, endometrial cancer, familial adenomatous polyposis, solid pseudopapilloma of pancreas, etc. High levels of nucleus positivity are seen in desmoid fibromatosis, isolated fibrous tumors, synovial sarcomas and endometrial stromal sarcomas, and carcinosarcomas. It is mainly used for the diagnosis, invasion and metastasis of malignant tumor.

### Subcellular location:

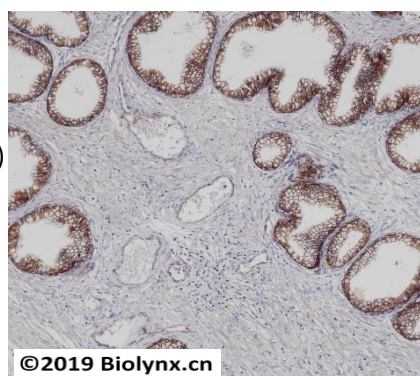
Membrane & Cytoplasm & Nucleus

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide corresponding to Human Beta-Catenin was used as an immunogen. The exact sequence is proprietary.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of human prostate tissue labelling Beta-Catenin with BP6159. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-20°C

### Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Li XG et al. Toxicol Lett 305:19-31 (2019).
2. Xu H et al. Oncol Rep 41:1180-1188 (2019).

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.