

Recombinant Catenin, beta (CTNNB1) Antibody

Rabbit Monoclonal Antibody [Clone CTNNB1/6807R]

| Catalog No | Format | Size |
|------------------|---|--------|
| 1499-RBM16-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 1499-RBM16-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 1499-RBM16-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

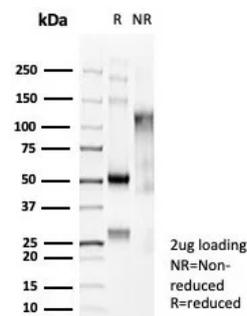
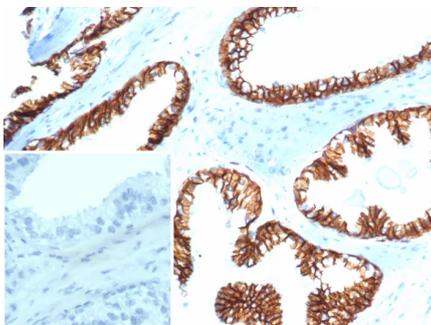
| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

Product Details

| | |
|------------------------|---|
| Clone | CTNNB1/6807R |
| Gene Name | CTNNB1 |
| Immunogen | Recombinant fragment (around aa1-200) of human CTNNB1 protein (exact sequence is proprietary) |
| Host | Rabbit |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG / Kappa |
| Mol. Weight of Antigen | 92kDa |
| Cellular Localization | Cell Surface. Cytoplasm. |
| Species Reactivity | Human |
| Positive Control | Human breast carcinoma or prostate. |

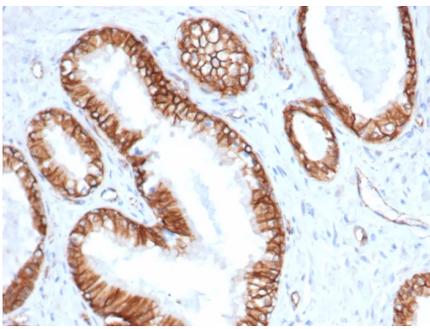
*Optimal dilution for a specific application should be determined.

Product Images for Recombinant Catenin, beta (CTNNB1) Antibody



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Beta-Catenin Recombinant Rabbit Monoclonal Antibody (CTNNB1/6807R). Inset: PBS instead of primary antibody; secondary only negative control

SDS-PAGE Analysis Purified Beta-Catenin Recombinant Rabbit Monoclonal (CTNNB1/6807R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Beta-Catenin Recombinant Rabbit Monoclonal Antibody (CTNNB1/6807R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. In normal tissues, beta-catenin is localized to the membrane of epithelial cells, consistent with its role in the cell adhesion complex. In breast ductal neoplasia, beta-catenin is usually localized in cellular membranes. However, in lobular neoplasia, a marked redistribution of beta-catenin throughout the cytoplasm results in a diffuse cytoplasmic pattern. Immuno-staining of beta-catenin and E-cadherin helps in the accurate identification of ductal and lobular neoplasms, including a distinction between low-grade ductal carcinoma in situ (DCIS) and lobular carcinoma. Additionally, some rectal and gastric adenocarcinomas demonstrate diffuse cytoplasmic beta-catenin staining and a lack of membranous staining, mimicking the staining pattern observed with lobular breast carcinomas.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified by Protein A Column. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Basal Cell Marker, BBB VCAM-1 Signaling, Breast Cancer, Cardiovascular, Colon Cancer, Developmental Biology, Immunology, Infectious Disease, Signal Transduction, Transcription Factors