

## Rabbit Polyclonal Antibody to $\alpha$ -Catenin

<b>Catalog No.:</b>	RP 079, RP 079-05
<b>Intended Use:</b>	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person (s) when evaluating and interpreting results.
<b>Immunogen:</b>	A synthetic peptide derived from the C-terminus of human $\alpha$ -catenin protein.
<b>Host:</b>	Rabbit
<b>Format:</b>	Purified immunoglobulin fraction of rabbit antiserum against human $\alpha$ -catenin containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody reacts with a 102 kD protein, known as $\alpha$ -catenin. The catenins ( $\alpha$ , $\beta$ , and $\lambda$ ) are ubiquitously expressed cytoplasmic proteins, which are associated with E-cadherin. $\alpha$ -cadherin can also bind to P-cadherin and N-cadherin. Cadherin/catenin complexes are linked to the cytoskeleton via a direct association between $\beta$ -actinin and $\lambda$ -catenin. This antibody cross reacts with mouse and Xenopus.
<b>Positive Control:</b>	Breast carcinoma
<b>Cellular Localization:</b>	Cytoplasmic, cell membrane
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	i) Koslov et al. J Biol Chem 272 (43): 27301, 1997. ii) Rimm et al. Lab Invest 72 (5): 590, 1995. iii) Hazan et al. J Biol Chem 272 (51): 32448, 1997.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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