

## $\alpha$ -E-Catenin (Phospho Ser652) Rabbit pAb

CatalogNo: YP1556 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 100kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

WB 1:1000-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho peptide around human  $\alpha$ -E-Catenin (Ser652)

**Specificity** This antibody detects endogenous levels of Human Mouse Rat  $\alpha$ -E-Catenin (phospho-Ser652)

### Target Information

**Gene name** CTNNA1

**Protein Name** Catenin alpha-1 (Ser652)

Organism	Gene ID	UniProt ID
Human	<a href="#">1495;</a>	<a href="#">P35221;</a>
Mouse	<a href="#">12385;</a>	<a href="#">P26231;</a>

**Cellular Localization**

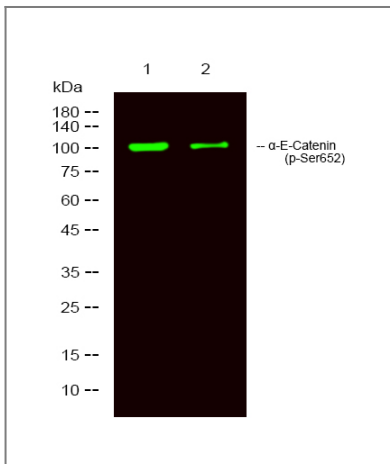
[Isoform 1]: Cytoplasm , cytoskeleton. Cell junction , adherens junction. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell junction. Found at cell-cell boundaries and probably at cell-matrix boundaries.; [Isoform 3]: Cell membrane ; Peripheral membrane protein ; Cytoplasmic side .

**Tissue specificity** Expressed ubiquitously in normal tissues.

**Function**

Disease:Abnormalities of alpha-catenin are involved in the process of cancer invasion and metastasis. ,Function:Associates with the cytoplasmic domain of a variety of cadherins. The association of catenins to cadherins produces a complex which is linked to the actin filament network , and which seems to be of primary importance for cadherins cell-adhesion properties. May play a crucial role in cell differentiation. ,PTM:Sumoylated. ,similarity:Belongs to the vinculin/alpha-catenin family. ,subcellular location:Found at cell-cell boundaries and probably at cell-matrix boundaries. ,subunit:Binds MLLT4 and F-actin (By similarity) . Interacts directly with PSEN1 and CTNNB1 to form part of the PSEN1/cadherin/catenin adhesion complex. Interacts with ARHGAP21 and with JUB. ,tissue specificity:Expressed ubiquitously in normal tissues. ,

## Validation Data



Western Blot analysis of 1 MCF-7 treated with LPS, 2 MCF7,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

## Contact information

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 **$\alpha$ -E-Catenin  
(Phospho Ser652)  
Rabbit pAb**

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