

Anti- α 1-Catenin (Tyr-148), Phosphospecific Antibody
Catalog # AN1673**Specification****Anti- α 1-Catenin (Tyr-148), Phosphospecific Antibody - Product Information**

Primary Accession	P35221
Reactivity	Bovine, Chicken
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	100071

Anti- α 1-Catenin (Tyr-148), Phosphospecific Antibody - Additional InformationGene ID **1495****Other Names**

alphaE-catenin, catenin alpha1, catenin

Target/Specificity

α -catenins are cadherin interacting proteins with homology to vinculin. Three α -catenin genes have been described including α 1-catenin (α E-Catenin), α 2-catenin (α N-catenin), and α 3-catenin (α T-catenin). α 1-catenin has 81% homology with α 2-catenin and 60% homology with α 3-catenin. These α -catenin isoforms may have similar roles since each binds cadherins. However, their expression patterns are both overlapping and distinct. α 1-catenin was identified in epithelial cells, and is expressed in various cell types. α 2-catenin is enriched in the nervous system, and α 3-catenin is expressed highest in testis and heart. Phosphorylation may regulate the activity of α 1-catenin, since tyrosine phosphorylation of Tyr-148 occurs during intercellular adhesion. This site is dephosphorylated by SHP2, which inhibits α 1-catenin binding to β -catenin and translocation to the plasma membrane. Phosphorylation of α 1-catenin at Tyr-148 may be important for inhibition of cell transformation, and dephosphorylation of this site may be important during SHP2-mediated cell transformation.

Format

Antigen Affinity Purified

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

PrecautionsAnti- α 1-Catenin (Tyr-148), Phosphospecific Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**Shipping**

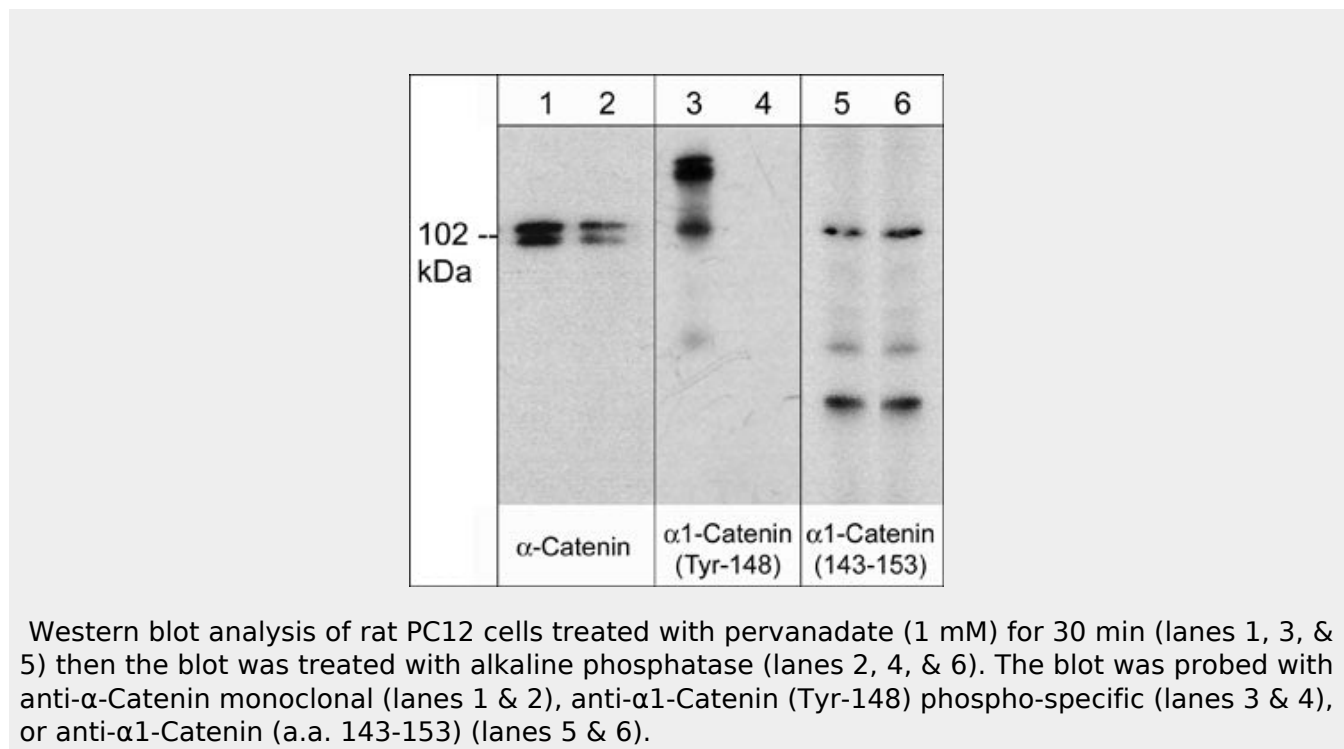
Blue Ice

Anti- α 1-Catenin (Tyr-148), Phosphospecific Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti- α 1-Catenin (Tyr-148), Phosphospecific Antibody - Images



Anti- α 1-Catenin (Tyr-148), Phosphospecific Antibody - Background

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