

Phospho-beta Catenin (Thr41/Ser45) Ab

References(1) Images(4)

Cat.#: AF3268 Concn.: ~1mg/ml Mol.Wt.: 80-100kDa Size: Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000, IF/ICC 1:100-1:500

*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse, Rat

Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02%

sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from

date of receipt.

Purification: The Ab is from purified rabbit serum by affinity purification via sequential

chromatography on phospho-peptide and non-phospho-peptide affinity

columns.

Immunogen: A synthesized peptide derived from human Catenin- beta around the

phosphorylation site of Thr41/Ser45.

Uniprot: P35222

Description: Beta-catenin is an adherens junction protein. Adherens junctions (AJs; also

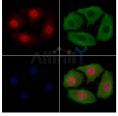
called the zonula adherens) are critical for the establishment and

maintenance of epithelial layers, such as those lining organ surfaces. AJs mediate adhesion between cells, communicate a signal that neighboring cells are present, and anchor the actin cytoskeleton. In serving these roles,

AJs regulate normal cell growth and behavior.



Western blot analysis of extracts from K562 cells(heat-shock treatment), using Phospho-beta Catenin (Thr41/Ser45) Ab. The lane on the left was treated with blocking peptide.



AF3268 staining Hela cells(4h of LPS treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF3268 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.

The nuclear counter stain is DAPI(blue).



<code>TMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1% TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.