

β -Catenin Antibody Sampler Kit

Cat# AK0285

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

β -Catenin is a key downstream effector in the Wnt signaling pathway. It is implicated in two major biological processes in vertebrates: early embryonic development and tumorigenesis. CK1 phosphorylates β -catenin at Ser45. This phosphorylation event primes β -catenin for subsequent phosphorylation by GSK-3 β . GSK-3 β destabilizes β -catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of β -catenin protein levels and have been found in many tumor cell lines. Both Akt and PKA were shown to phosphorylate β -catenin at Ser552 and Ser675. Phosphorylation at Ser552 and Ser675 induces β -catenin accumulation in the nucleus and increases its transcriptional activity.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340470	Catenin beta Polyclonal Antibody	20 μ L	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A340201	Phospho-Catenin beta (Ser37) Polyclonal Antibody	20 μ L	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A340202	Phospho-Catenin beta (Thr41/S45) Polyclonal Antibody	20 μ L	WB, ELISA	Human, Mouse, Rat	Rabbit
A340203	Phospho-Catenin beta (Tyr654) Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340371	Phospho-Catenin beta (Ser552) Polyclonal Antibody	20 μ L	WB, ELISA	Human, Mouse, Rat	Rabbit
A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120 μ L	WB, ELISA	Rabbit	Goat

PRODUCT USE LIMITATION

These products are intended for research use only.