

Adherens Junction Antibody Sampler Kit

Cat# AK0108

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

PRODUCT DESCRIPTION

Adherens junctions are dynamic structures that form cell-cell contacts and are important in development, differentiation, tissue integrity, morphology and cell polarity. They are composed of the transmembrane proteins, cadherins, which bind cadherins on adjacent cells in a calcium-dependent manner. On the cytoplasmic side of adherens junctions, the classic model states that cadherins are linked to the cytoskeleton through β - and α -catenin. Research studies have demonstrated that loss of E-cadherin and α -E-catenin occurs during the progression of several human cancers, indicating that the breakdown of adherens junctions is important in cancer progression. Research studies also suggest that, rather than acting as a static link between cadherins and actin, α -catenin regulates actin dynamics directly, possibly by competing with the actin nucleating arp2/3 complex. α -catenin also plays a role in regulating β -catenin-dependent transcriptional activity, affecting differentiation and response to Wnt signaling. α -catenin binds to β -catenin in the nucleus, preventing it from regulating transcription, and levels of both proteins appear to be regulated via proteasome-dependent degradation.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340468	Catenin- α E/N Polyclonal Antibody	20 μ L	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A340470	Catenin- β Polyclonal Antibody	20 μ L	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A340611	p120 Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340471	Catenin- γ Polyclonal Antibody	20 μ L	WB, IHC, IF, 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.