

## Cadherin-Catenin Antibody Sampler Kit

<b>Catalog No.</b>	E-AB-K1457	<b>Reactivity</b>	Human
<b>Storage</b>	Store at -20°C, Avoid freeze / thaw cycles	<b>Applications</b>	WB
<b>Buffer</b>	PBS with sodium azide and glycerol.	<b>Dilution</b>	1:500-1:2000

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

Included	Product	Isotype	Mol. Wt.	Size
E-AB-30763		IgG	100kDa	20µL
E-AB-32170		IgG	140kDa	20µL
E-AB-31261	E-Cadherin Polyclonal Antibody	Rabbit IgG	100kDa	20µL
E-AB-32519		IgG	86kDa	20µL
E-AB-30765		IgG	75kDa	20µL
E-AB-1003	Goat Anti-Rabbit IgG(H+L)(peroxidase/HRP conjugated)	Goat		120µL

### Product Description

This Cadherin-Catenin Antibody Sampler kit contains reagents to examine the total protein levels of key proteins found in cell-cell adherens junctions. The kit contains enough primary and secondary antibodies to perform two Western blot experiments.

Please visit [www.elabscience.com](http://www.elabscience.com) for validation data and a complete listing of recommended companion products.

### Background

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 cadherins that are transmembrane proteins that bind cadherins on adjacent cells in a calcium dependent manner. On the cytoplasmic side of adherens junctions, the cadherins associate with  $\beta$ -catenin,  $\gamma$ -catenin and p120 catenin ( $\delta$ ).  $\beta$ -catenin and  $\gamma$ -catenin associate with  $\alpha$ -catenin, which links the cadherin-catenin complex to the actin cytoskeleton. Recent studies indicate that cancer cells exhibit increased N-cadherin and diminished E-cadherin expression. E-cadherin is considered a suppressor of invasive cancer cell growth and this change in cadherin expression associated with cancer progression is termed the “cadherin switch”.  $\beta$ -catenin is one of the key downstream effectors in the Wnt signaling pathway and has been implicated in early embryonic development and tumorigenesis.