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## Phospho-E-Cadherin-S838/S840 Rabbit pAb

Catalog No.: AP1074 1 Publications

## **Basic Information**

#### **Observed MW**

125kDa

### **Calculated MW**

97kDa

#### Category

Polyclonal Antibody

### **Applications**

WB, ELISA

## **Cross-Reactivity**

Human

## **Background**

This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calciumdependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16.

## **Recommended Dilutions**

**WB** 1:500 - 1:2000

**ELISA** 

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID**999

Swiss Prot
P12830

## **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

## **Synonyms**

UVO; CDHE; ECAD; LCAM; Arc-1; BCDS1; CD324; Phospho-E-Cadherin-S838/S840

## **Contact**

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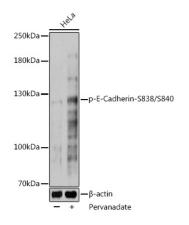
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

## **Validation Data**



Western blot analysis of lysates from HeLa cells, using Phospho-E-Cadherin-S838/S840 Rabbit pAb (AP1074) at 1:1000 dilution. HeLa cells were treated with Pervanadate (1 nM) at  $37^{\circ}$ C for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.