Recombinant E Cadherin Monoclonal Antibody

catalog number: **E-AB-81424**

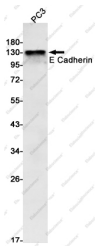
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	A synthetic peptide of human E Cadherin
Host	Rabbit
Isotype	Rabbit IgG
Clone	C313210
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:100-1:200
IF	1:20-1:200

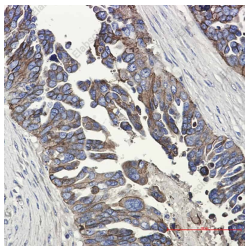
Data



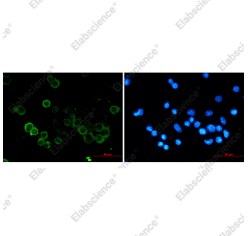
Western blot detection of E Cadherin in PC3 cell lysates using E Cadherin Rabbit mAb(1:1000 diluted).Predicted band size:98kDa.Observed band size:80-120(cleavages), 130kDa.

Observed-MW:130 kDa

Calculated-MW:98 kDa



Immunohistochemistry of E Cadherin in paraffin-embedded Human Cholangiocarcinoma using E Cadherin Rabbit mAb at dilution 1:50



Immunofluorescence of E Cadherin (green) in MCF-7 using E Cadherin antibody at dilution 1:20, and DAPI(blue)

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein 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 is thought to contribute to progression in cancer 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. Identified transcript variants arise from mutation at consensus splice sites.