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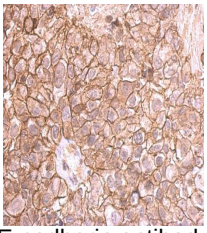
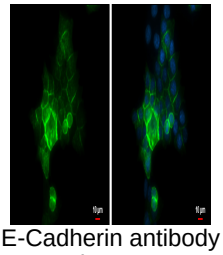
Product Datasheet

E-Cadherin antibody
GRP7

Description	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. [provided by RefSeq]
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Conjugation	Unconjugated
Tested Applications	ICC, IF, IHC-P, IP, WB
Immunogen	Recombinant protein encompassing a sequence within the cente region of human E-Cadherin. The exact sequence is proprietary.
Form/Appearance	Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Concentration	0.49 mg/ml
Storage	Store as concentrated solution. Centrifuge briefly prior to openin vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Note	For research use only.
Isotype	IgG
Clonality	Polyclonal
Purity	Purified by antigen-affinity chromatography.
Uniprot ID	**P12830**
Entrez	**999**
Dilution Range	WB: 1:500-1:10000,ICC: 1:100-1:1000,IHC-P: 1:100-1:1000,IP: 1:100-1:500



E-cadherin antibody detects E-cadherin protein at membrane on human breast cancer by immunohistochemical analysis. Sample: Paraffin-embedded breast cancer. E-cadherin antibody (GRP459) dilution: 1:500.



E-Cadherin antibody detects E-Cadherin protein at cell membrane by immunofluorescent analysis.Sample: HCT 116 cells were fixed in 4% paraformaldehyde at RT for 15 min.Green: E-Cadherin protein stained by E-Cadherin