Anti-E-Cadherin Antibody [A0-G11-2-R]

IRS031

Product Type:	Recombinant Mouse monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	mIHC
Molecular Wt:	Predicted band size: 98 kDa
Clone number:	A0-G11-2-R

Description: Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells. E-Cad/CTF2 promotes non-amyloidogenic degradation of Abeta precursors. Has a strong inhibitory effect on APP C99 and C83 production.

Immunogen: Recombinant protein within mouse E-Cadherin aa 350-550.

Positive control: Human pancreas tissue.

Subcellular location: Cell membrane, Endosome, Golgi apparatus.

Database links: SwissProt: P12830 Human

Recommended Dilutions:

mIHC	1:100

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Images

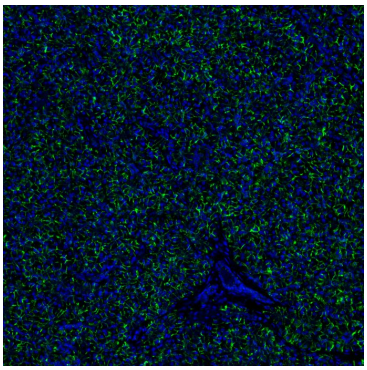

Fig1: mIHC analysis of human pancreas tissue (Formalin/PFA-fixed paraffin-embedded sections) with Rabbit anti-E-Cadherin antibody (IRS031) at 1/100 dilution. The immunostaining was performed with the IRISKit® HyperView mTSA Kit (MH900206). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95℃. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.

Background References

1. Thomas E Meigs et al. Galpha12 and Galpha13 negatively regulate the adhesive functions of cadherin. J Biol Chem 277(27):24594-600 (2002)
2. Georgia Agiostratidou et al. The cytoplasmic sequence of E-cadherin promotes non-amyloidogenic degradation of A beta precursors. 96(4):1182-8 (2006)