
anti-E-Cadherin

Cat #: HM1048
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Cadherins comprise of a family of Ca⁺⁺-dependent adhesion proteins that serve to mediate cell-cell interactions that are critical to tissue structure and morphogenesis. The classical cadherin (N-, E- and P-Cadherin) consists of a large extracellular domain that has a series of 5 homologous NH₂ terminal repeats, a transmembrane region and a highly conserved cytoplasmic tail.

E Cadherin plays an important role in the formation of cell-cell contacts in epithelia irrespective their origin form ecto-, meso- or endodermal tissue. Mutations in its 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.

SPECIFICITY

This antibody specifically recognizes E-Cadherin of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

IMMUNOGEN

A synthetic peptide derived from N-terminal region of human E-Cadherin protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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