

Mouse Anti-Cadherin-P/CDH3 [A10]: MC0507, MC0507RTU7

Intended Use: For Research Use Only

Description: Placental Cadherin (P-Cadherin or CDH3) is a classical cadherin molecule, a member of the cadherin family of cell adhesion molecules. The protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Its gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in its gene have been associated with congenital hypotrichosis with juvenile macular dystrophy. 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. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene have been associated with congenital hypotrichosis with juvenile macular dystrophy.

Specifications:

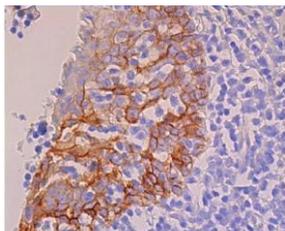
Clone: A10
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, IF, IP, WB
 Package:

| Description | Catalog No. | Size |
|------------------------------------|-------------|------|
| Cadherin-P/CDH3 [A10] Concentrated | MC0507 | 1 ml |
| Cadherin-P/CDH3 [A10] Prediluted | MC0507RTU7 | 7 ml |

IHC Procedure*:

Positive Control Tissue: Breast cancer
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-Cadherin-N using DAB, showing membrane and some cytoplasmic staining of squamous epithelial cells

References:

1. Mesenchymal-to-epithelial transition in the placental tissues of patients with preeclampsia. Du L et al. Hypertens Res. 2017.
2. Release activity-dependent control of vesicle endocytosis by the synaptic adhesion molecule N-cadherin. van Stegen B et al. Sci Rep. 2017.
3. HOXA-10 and E-cadherin expression in the endometrium of women with recurrent implantation failure and recurrent miscarriage. Yang Y et al. Fertil Steril. 2017.

Doc. 100-MC0507
Rev. A