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DATA SHEET

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 congential 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 congential hypotrichosis with juvenile macular dystrophy.

Specifications:

Clone:	A10
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Human P-cadherin extracellular aa 550-654
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

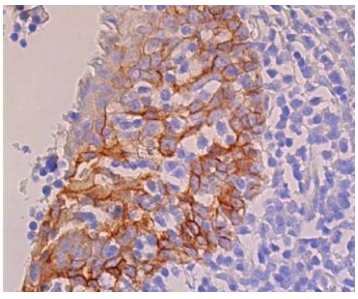
Package:

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:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes 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-P using DAB showing staining of squamous epithelial cells

References:

1. Mesenchymal-to-epithelial transition in the placental tissues of patients with preeclampsia. Du L. 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.

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