Mouse Anti-PHLDA1/TDAG51 [RN-6E2]: MC0203, MC0203RTU7

Intended Use: For Research Use Only

Description:
PHLDA1 (pleckstrin homology-like domain family A member 1), also known as TDAG51, encodes an evolutionarily conserved proline-histidine rich nuclear protein. The encoded protein may play an important role in the anti-apoptotic effects of insulin-like growth factor-1. In activated T lymphocytes, PHLDA1 works with T-cell receptor to inhibit protein biosynthesis. It is also responsible for differentiation of trichoepithelioma from basal cell carcinomas (BCCs). PHLDA1 is down-regulated in primary, and metastatic melanomas and breast cancer. On the other hand, it is involved with migration and proliferation in colon cancer cells. PHLDA1 is also involved in development of atherosclerosis in presence of hyperhomocysteinemia.

Specifications

Clone: RN-6E2
Source: Mouse
Isotype: IgG2a/κ
Reactivity: Human, mouse, rat
Immunogen: Human PHLDA1 protein
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., IF, IP, WB
Package:

Description	Catalog No.	Size
PHLDA1/TDAG51 [RN-6E2] Concentrated	MC0203	1 ml
PHLDA1/TDAG51 [RN-6E2] Prediluted	MC0203RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Kidney, colon carcinoma
Concentrated Dilution: 25-200
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.
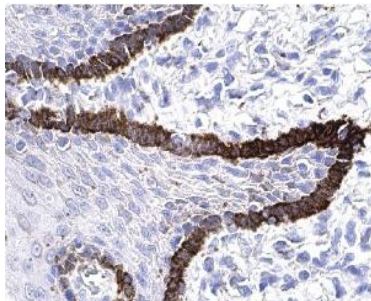
FFPE human esophagus stained with anti-PHLDA1 using DAB

References:
1. Diagnostic accuracy of immunohistochemical markers in differentiation between basal cell carcinoma and trichoepithelioma in small biopsy specimens. | Mostafa, NA. et al. 2018. J. Cutan. Pathol., 2018.
2. CD10, TDAG51, CK20, AR, INSM1, and Nestin Expression in the Differential Diagnosis of Trichoblastoma and Basal Cell Carcinoma. Leblebici, C. et al. Int. J. Surg. Pathol., 2018.
3. Anatomoclinical study of 30 cases of sclerosing sweat duct carcinomas (microcystic adnexal carcinoma, syringomatous carcinoma and squamoid eccrine ductal carcinoma). Frouin, E. et al. J Eur Acad Dermatol Venereol. 29: 1978-94, 2015.