PRTFDC1 Monoclonal Antibody

catalog number: AN200139P

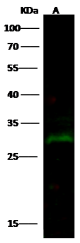
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human PRTFDC1 protein
Host	Mouse
Isotype	IgG1
Clone	12B14
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:1000

Data



Western Blot with PRTFDC1 Monoclonal Antibody at dilution of 1:500. Lane A: 293T Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:28 kDa

Calculated-MW:28 kDa

Preparation & Storage

Storage	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

PRTFDC1 is a member of the purine/pyrimidine phosphoribosyltransferase family. It can bind GMP, IMP and alpha-D-5-phosphoribosyl 1-pyrophosphate (PRPP). The epigenetic silencing of PRTFDC1 by hypermethylation of the CpG island leads to a loss of PRTFDC1 function, which might be involved in squamous cell oral carcinogenesis. PRTFDC1 is a genetic modifier of HPRT-deficiency in the mouse and has important implications for unraveling the molecular etiology of lesch-Nyhan disease(LND). LND is a severe X-linked neurological disorder caused by a deficiency of hypoxanthine phosphoribosyltransferase. PRTFDC1 has a low, barely measurable phosphoribosyltransferase activity (in vitro).

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