

Anti-PRTFDC1 Antibody (1M206)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1M206
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human PRTFDC1 Protein (TMPY-03332)
Antigen Species:	Human
Synonyms:	phosphoribosyl transferase domain containing 1;HHGP;PRTFDC1

Research 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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