

Anti-XTP3TPA Antibody (5C90)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5C90
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

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 XTP3TPA / DCTPP1 Protein (TMPY-03508)
Antigen Species:	Human
Synonyms:	XTP3TPA;RS21C6;dCTP pyrophosphatase 1;CDA03

Research Background

DCTPP1 hydrolyzes deoxynucleoside triphosphates (dNTPs) to the corresponding nucleoside monophosphates. It has a strong preference for modified dCTP. DCTPP1's activity is highest with 5-iodo-dCTP, followed by 5-bromo-dCTP, unmodified dCTP, 5-methyl-dCTP and 5-chloro-dCTP. DCTPP1 also hydrolyzes 2-chloro-dATP and 2-hydroxy-dATP with lower efficiency, and has even lower activity with unmodified dATP, dTTP and dUTP (in vitro). DCTPP1 does not hydrolyze ATP, UTP, ITP, GTP, dADP, dCDP or dGTP. It may protect DNA or RNA against the incorporation of non-canonical nucleotide triphosphates. DCTPP1 may also protect cells against inappropriate methylation of CpG islands by DNA methyltransferases.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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