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RCL Polyclonal Antibody

Catalog # AP72215

Product Information

Application	WB
Primary Accession	O43598
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19108

Additional Information

Gene ID	10591
Other Names	RCL; C6orf108; Deoxyribonucleoside 5'-monophosphate N-glycosidase; c-Myc-responsive protein Rcl
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

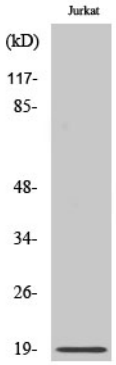
Protein Information

Name	DNPH1 (HGNC:21218)
Function	Part of a nucleotide salvage pathway that eliminates epigenetically modified 5-hydroxymethyl-dCMP (hmdCMP) in a two-step process entailing deamination to cytotoxic 5-hydroxymethyl-dUMP (hmdUMP), followed by its hydrolysis into 5-hydroxymethyluracil (hmU) and 2-deoxy-D-ribose 5-phosphate (deoxyribosephosphate) (PubMed:33833118). Catalyzes the second step in that pathway, the hydrolysis of the N-glycosidic bond in hmdUMP, degrading this cytotoxic nucleotide to avoid its genomic integration (PubMed:33833118).
Cellular Location	Cytoplasm. Nucleus
Tissue Location	Expressed at low levels in brain, colon, lung, peripheral blood leukocytes, placenta, small intestine, and thymus Expressed at high levels in heart, kidney, liver, skeletal muscle and spleen. Overexpressed in a significant proportion of breast cancers

Background

Catalyzes the cleavage of the N-glycosidic bond of deoxyribonucleoside 5'-monophosphates to yield deoxyribose 5- phosphate and a purine or pyrimidine base. Deoxyribonucleoside 5'- monophosphates containing purine bases are preferred to those containing pyrimidine bases.

Images



Western Blot analysis of various cells using RCL Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.