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RCL Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5930a

Product Information

Application	WB, FC, E
Primary Accession	O43598
Other Accession	NP_006434.1, NP_954653.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27040
Calculated MW	19108
Antigen Region	20-48

Additional Information

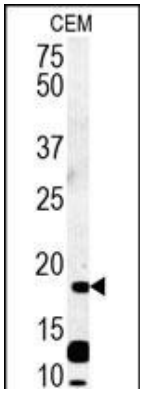
Gene ID	10591
Other Names	2'-deoxynucleoside 5'-phosphate N-hydrolase 1 {ECO:0000255|HAMAP-Rule:MF_03036}, 322- {ECO:0000255|HAMAP-Rule:MF_03036, ECO:0000269|PubMed:24260472, ECO:0000269|PubMed:25108359}, c-Myc-responsive protein RCL {ECO:0000255|HAMAP-Rule:MF_03036}, DNPH1 {ECO:0000255|HAMAP-Rule:MF_03036}
Target/Specificity	This RCL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-48 amino acids from the N-terminal region of human RCL.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RCL Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

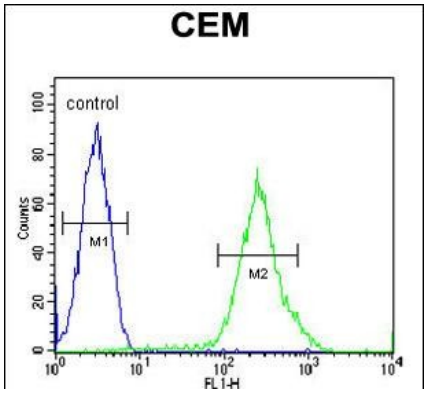
Name	DNPH1 (HGNC:21218)

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

Images



RCL Antibody (N-term) (Cat. #AP5930a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the RCL antibody detected the RCL protein (arrow).



RCL Antibody (N-term) (Cat. #AP5930a) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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