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RCL Polyclonal Antibody
Catalog # AP72215

Specification

RCL Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	O43598
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

RCL Polyclonal Antibody - 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℃

RCL Polyclonal Antibody - 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.

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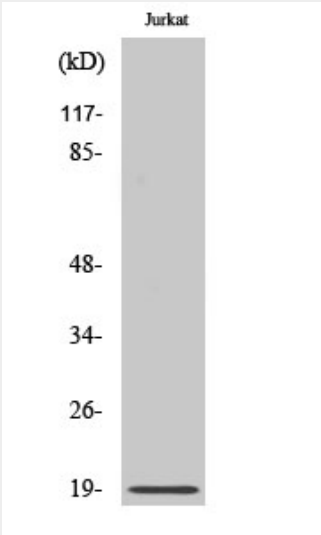
Overexpressed in a significant proportion of breast cancers

RCL Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RCL Polyclonal Antibody - Images



RCL Polyclonal Antibody - 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.