

DNPH1 Antibody
Rabbit mAb
Catalog # AP92742

Specification

DNPH1 Antibody - Product Information

Application	WB, IHC
Primary Accession	O43598
Clonality	Monoclonal
Other Names	
DNPH1; Rcl;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	19108 Da

DNPH1 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human DNPH1
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

DNPH1 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

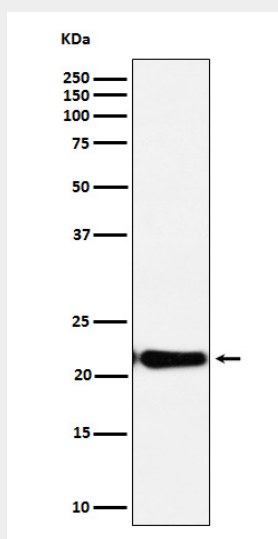
Expressed at low levels in brain, colon, lung, peripheral blood leukocytes, placenta, small intestine, and thymus Expressed at high levels in heart, kidney, liver, skeletal muscle and spleen.
Overexpressed in a significant proportion of breast cancers

DNPH1 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 Cytometry](#)
- [Cell Culture](#)

DNPH1 Antibody - Images



Western blot analysis of DNPH1 expression in HeLa cell lysate.