C9orf95 Antibody (N-term)<br>Affinity Purified Rabbit Polyclonall Antibody (Pab)<br>Catalog \# AP9650a

## Specification

## C9orf95 Antibody (N-term) - Product Information

| Application | WB,E |
| :--- | :--- |
| Primary Accession | Q9NWW6 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonall |
| Isotype | Rabbit IgG |
| Calculated MW | 23193 |
| Antigen Region | $24-50$ |

## C9orf95 Antibody (N-term) - Additional Information

## Gene ID 54981

## Other Names

Nicotinamide riboside kinase 1, NRK 1, NmR-K 1, Nicotinic acid riboside kinase 1,
RibosyInicotinamide kinase 1, RNK 1, Ribosylnicotinic acid kinase 1, NMRK1, C9orf95, NRK1

## Target/Specificity

This C9orf95 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-50 amino acids from the N-terminal region of human C9orf95.

## Dilution

WB~~1:1000

## Format

Purified polyclonal antibody supplied in PBS with $0.09 \%$ (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Storage

Maintain refrigerated at $2-8^{\circ} \mathrm{C}$ for up to 2 weeks. For long term storage store at $-20^{\circ} \mathrm{C}$ in small aliquots to prevent freeze-thaw cycles.

Precautions
C9orf95 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## C9orf95 Antibody (N-term) - Protein Information

## Name NMRK1

Synonyms C9orf95, NRK1

Function Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside ( NaR ) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). The enzyme also phosphorylates the antitumor drugs tiazofurin and 3-deazaguanosine.

## C9orf95 Antibody (N-term) - 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

C9orf95 Antibody (N-term) - Images


All lanes : Anti-C9orf95 Antibody (N-term) at 1:1000 dilution Lane 1: U-87 MG whole cell lysate Lane 2: M. kidney whole cell lysate Lane 3: MCF-7 whole cell lysate Lane 4: RPMI 8226 whole cell lysate Lane 5: R. brain whole cell lysate Lysates/proteins at $20 \mu \mathrm{~g}$ per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at $1 / 15000$ dilution. Observed band size : 23kDa Blocking/Dilution buffer: 5\% NFDM/TBST.


All lanes : Anti-C9orf95 Antibody (N-term) at 1:1000 dilution Lane 1: WiDr whole cell lysate Lysates/proteins at $20 \mu \mathrm{~g}$ per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at $1 / 15000$ dilution. Observed band size : $23 k D a$ Blocking/Dilution buffer: 5\% NFDM/TBST.

| WiDr |
| :---: |
| 95 |
| 72 |
| 55 |
|  |
| 36 |
| 28 |

Western blot analysis of C9orf95 Antibody (N-term) (Cat. \#AP9650a) in WiDr cell line lysates (35ug/lane). C9orf95 (arrow) was detected using the purified Pab.

## C9orf95 Antibody (N-term) - Background

Nicotinamide adenine dinucleotide (NAD+) is essential for life in all organisms, both as a coenzyme for oxidoreductases and as a source of ADP-ribosyl groups used in various reactions. Nicotinic acid and nicotinamide, collectively known as niacin, are the vitamin precursors of NAD+. Nicotinamide riboside kinases, such as NRK1, function to synthesize NAD+ through nicotinamide mononucleotide using nicotinamide riboside as the precursor (Bieganowski and Brenner, 2004 [PubMed 15137942]).[supplied by OMIM].

## C9orf95 Antibody (N-term) - References

Khan, J.A., et al. Structure 15(8):1005-1013(2007)
Humphray, S.J., et al. Nature 429(6990):369-374(2004)
Bieganowski, P., et al. Cell 117(4):495-502(2004)

