bs-15349R **[Primary Antibody]**

C9orf95/NRK Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 54981 **SWISS:** Q9NWW6

Target: C9orf95/NRK

Immunogen: KLH conjugated synthetic peptide derived from human C9orf95: 1-100/199.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Nicotinamide adenine dinucleotide (NAD+) is an essential cofactor involved in fundamental processes in cell metabolism. NRK1 (Nicotinamide riboside kinase 1), also known as Ribosylnicotinamide kinase 1, is a 199 amino acid enzyme is involved in the synthesis of NAD+ through nicotinamide mononucleotide using nicotinamide riboside as the precursor. Nicotinamide riboside has been idenitifed as a nutrient in milk, suggesting that it is a useful compound for elevating the NAD+ levels in humans. NRK1 also phosphorylates the anti-cancer drugs tiazofurin and 3-deazaguanosine, which converts them into toxic NAD+ analogs and leads to the inhibition of guanine nucleotide biosynthesis. There are two isoforms of NRK1 that are produced as a result of alternative splicing events.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Pig, Sheep, Dog)

Predicted MW.: 23 kDa

Subcellular Location: Cytoplasm

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.