

bs-15349R**[Primary Antibody]****C9orf95/NRK Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000)
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		Reactivity: (predicted: Human, Mouse, Rat, Pig, Sheep, Dog)
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.		Predicted MW.: 23 kDa
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 identified 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.		Subcellular Location: Cytoplasm