

Nur für Forschungszwecke

# SARS-CoV-2 Nucleocapsid Phosphoprotein Rekombinanter Antikörper



Katalog-Nr.: **80027-1-RR**

## Allgemeine Informationen

Katalog-Nr.: 80027-1-RR	GenBank-Zugangsnummer: NC_045512	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul, Konzentration: 1000 µg/ml von	GeneID (NCBI): 43740575	CloneNo.: 8C20
Nanodrop;	Vollständiger Name: COVID-19 N Protein	Empfohlene Verdünnungen: WB 1:5000-1:50000
Wirt: Kaninchen		
Isotyp: IgG		
Immunogen Katalognummer: AG30676		

## Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : Eukaryotisches Nucleocapsid-Phosphoprotein, Ag30676
Getestete Reaktivität: Virus	

## Hintergrundinformationen

The nucleocapsid (N) protein has multiple functions including formation of nucleocapsids, signal transduction virus budding, RNA replication, and mRNA transcription. N protein is an important antigen for coronavirus, and it is normally highly conserved, with a molecular weight of about 50 kDa. It can be used as a marker in diagnostic assays due to its high immunogenicity (PMID: 32416961, PMID: 32235387). A sandwich ELISA for COVID-19 N Protein can be assembled by using 80027-1-RR as capture antibody and conjugated 80026-1-RR for detection.

## Lagerung

Lagerungsbedingungen:  
Bei -20°C lagern.  
Lagerungspuffer:  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

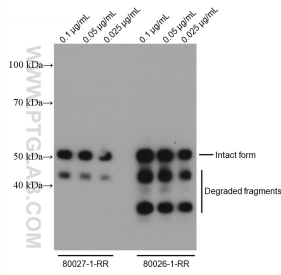
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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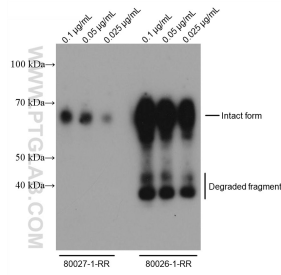
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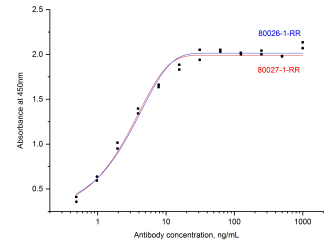
## Ausgewählte Validierungsdaten



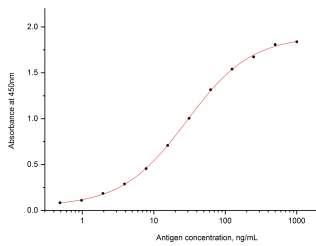
E.coli expressed SARS-CoV-2 Nucleocapsid Phosphoprotein (Cat.NO. Ag30676) was subjected to SDS-PAGE followed by western blot with 80027-1-RR and 80026-1-RR at various work concentration.



Eukaryotic expressed SARS-CoV-2 Nucleocapsid Phosphoprotein was subjected to SDS-PAGE followed by western blot with 80027-1-RR and 80026-1-RR at various work concentration.



Indirect ELISA was carried out by coating eukaryotic expressed N protein at 70 ng/well followed by blocking and adding serial diluted primary antibody 80026-1-RR and 80027-1-RR respectively. Signal was developed with TMB and stopped by H<sub>2</sub>SO<sub>4</sub>. Signal strength was measured by absorbance at 450 nm.



Sandwich ELISA was carried out by coating 80027-1-RR at 80 ng/well followed by blocking and adding different concentration of eukaryotic expressed N protein (0.5-1000 ng/mL). HRP-conjugated 80026-1-RR was used at 1 µg/mL for detection. Signal was developed with TMB and stopped by H<sub>2</sub>SO<sub>4</sub>. Signal strength was measured by absorbance at 450 nm.