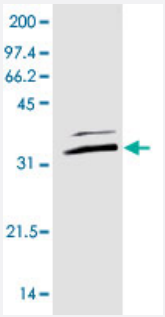
SARS-CoV 3CL Protease polyclonal antibody

Catalog # PAB11368 Size 500 ug

Applications



Western Blot (Recombinant protein)

Western blot using SARS-CoV 3CL Protease polyclonal antibody (Cat # PAB11368) shows detection of a 34- KDa band corresponding to the protein. Approx. 100 ng of protein was loaded for SDS-PAGE and transferred onto nitrocellulose.
The blot was incubated with a 1:5,000 dilution of the antibody at room temperature for 1 h.

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant SARS Coronavirus 3CL Protease.
Immunogen	Recombinant protein corresponding to full length SARS Coronavirus 3CL Protease.
Host	Rabbit
Reactivity	SARS-CoV
Specificity	This protein A purified antibody is directed against SARS Coronavirus 3CL Protease.
Form	Lyophilized
Purification	The product was purified from monospecific antiserum by protein A affinity purification.
Isotype	IgG
Recommend Usage	ELISA (1:10000-1:50000) Immunofluorescence Western Blot (1:2000-1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide).

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Storage Instruction	Store at 4°C on dry atmosphere prior to restoration. After reconstitution with 0.1 mL of deionized water (or equivalent), for extended storage aliquot conte nts and freeze at -20°C or below. Aliquot to avoid repeated freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable f or several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

  Western blot using SARS-CoV 3CL Protease polyclonal antibody (Cat # PAB11368) shows detection of a 34- KDa band corresponding to the protein.
  Approx. 100 ng of protein was loaded for SDS-PAGE and transferred onto nitrocellulose.
  The blot was incubated with a 1:5,000 dilution of the antibody at room temperature for 1 h.

Gene Info — orf1ab

Entrez GeneID	1489680
Protein Accession#	29837498; P0C6U8
Gene Name	orf1ab
Gene Alias	-
Gene Description	orf1ab polyprotein (pp1ab)
Gene Ontology	Hyperlink
Other Designations	orf1a polyprotein (pp1a)

Publication Reference

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- Viral pandemic preparedness: A pluripotent stem cell-based machine-learning platform for simulating SARS-CoV-2 infection to enable drug discovery and repurposing.

  Sally Esmail, Wayne R Danter.

  Stem Cells Translational Medicine 2021 Feb; 10(2):239.

  Application: WB-Tr, Human, aiLUNG cells

- Expression and purification of SARS coronavirus proteins using SUMO-fusions.

  Zuo X, Mattern MR, Tan R, Li S, Hall J, Sterner DE, Shoo J, Tran H, Lim P, Sarafianos SG, Kazi L, Navas-Martin S, Weiss SR, Butt TR.

  Protein Expression and Purification 2005 Jul; 42(1):100.

- Enhanced expression and purification of membrane proteins by SUMO fusion in Escherichia coli.

  Zuo X, Li S, Hall J, Mattern MR, Tran H, Shoo J, Tan R, Weiss SR, Butt TR.

  Journal of Structural and Functional Genomics 2005 Jan; 6(2-3):103.

- SUMO fusions and SUMO-specific protease for efficient expression and purification of proteins.

  Malakhov MP, Mattern MR, Malakhova OA, Drinker M, Weeks SD, Butt TR.

  Journal of Structural and Functional Genomics 2004 Jan; 5(1-2):75.

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