

Anti-SARS-CoV-2-3CLpro antibody (1-306) (STJ11103221)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	SARS-CoV-2

PRODUCT PROPERTIES

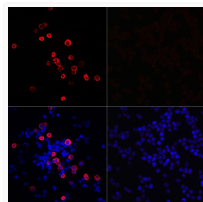
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:2000-1:6000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 141kDa Observed Mw: 30-35kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

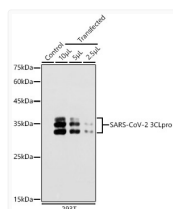
Immunogen Region	1-306
Immunogen Sequence	MESLVPGFNEKTHVQLSLPV LQVRDVLVRGFGDSVEEVLS EARQHLKDGTCGLVEVEKGV LPQLEQPYVFIKRS DARTAP HGHVMVELVAELEGIQYGRS GETLGLVPHVGEIPVAYRK VLLRKNGKNGAGGHSYGADL KSFDLGDELGTDPYEDFQEN WNTKHSSGVTRELMRELNGG AYTRYVDNNFCGPDGYPLEC IKDLLARAGKASCTLSEQLD FIDTKRGVYCCREHEHEIA
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-306 of coronavirus 3CLpro (YP_009725295.1).

ADDITIONAL INFORMATION

Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



Immunofluorescence analysis of 293T cells transfected with SARS-CoV-2 3CLpro fusion protein (top left) and untreated 293T cells (top right) use SARS-CoV-2 3CLpro Rabbit polyclonal antibody (STJ11103221) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western blot analysis of extracts of 293T cells, using SARS-CoV-2 3CLpro antibody (STJ11103221) at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.