

Rabbit JC polyomavirus Minor capsid protein VP2 Polyclonal Antibody | anti-Jvgp2 antibody

Rabbit anti-JC polyomavirus Minor capsid protein VP2 polyclonal Antibody

CATALOG # AAA118134	HOST Rabbit	REACTIVITY JC polyomavirus	APPLICATIONS ELISA
-------------------------------	-----------------------	--------------------------------------	------------------------------

PRODUCT SYNONYMS

JC polyomavirus Minor capsid protein VP2; Polyclonal Antibody; Rabbit anti-JC polyomavirus Minor capsid protein VP2 polyclonal Antibody; Minor structural protein VP2; anti-Jvgp2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	JC polyomavirus
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G Purified
Form/Format	Liquid
Sequence Length	344
Applicable Applications for anti-Jvgp2 antibody	ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant JC polyomavirus Minor capsid protein VP2 protein (2-34AA)
Immunogen Species	JC polyomavirus (JCPyV)(JCV)
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-Jvgp2 antibody	Isoform VP2 is a structural protein that resides within the core of the capsid surrounded by 72 VP1 pentamers. Participates in host cell receptor binding together with VP1. Following virus endocytosis and trafficking to the endoplasmic reticulum, VP2 and VP3 form oligomers and integrate into the endoplasmic reticulum membrane. Heterooligomer VP2-VP3 may create a viroporin for transporting the viral genome across the endoplasmic reticulum membrane to the cytoplasm. Nuclear entry of the viral DNA involves the selective exposure and importin recognition of VP2 or Vp3 nuclear localization signal (shared C-terminus). Plays a role in virion assembly within the nucleus in particular through a DNA-binding domain located in the C-terminal region. A N-terminal myristoylation suggests a scaffold function for virion assembly. Isoform VP3:structural protein that resides within the core of the capsid surrounded by 72 VP1 pentamers. Following virus endocytosis and trafficking to the endoplasmic reticulum, VP2 and VP3 form oligomers and integrate into the endoplasmic reticulum membrane. Heterooligomer VP2-VP3 may create a viroporin for transporting the viral genome across the endoplasmic reticulum membrane to the cytoplasm. Nuclear entry of the viral DNA involves the selective exposure and importin recognition of VP2 or Vp3 nuclear localization signal (shared C-terminus). Isoform VP3 plays a role in virion assembly within the nucleus. May participate in host cell lysis when associated with VP4. Isoform VP4 is a viroporin inducing perforation of cellular membranes to trigger virus progeny release. Forms pores of 3 nm inner diameter. VP4 is expressed about 24 hours after the late structural proteins and is not incorporated into the mature virion.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	9628644
NCBI GeneID	1489522
NCBI Accession #	NP_043509.1
NCBI GenBank Nucleotide #	NC_001699.1
UniProt Accession #	P03095
Molecular Weight	39,609 Da
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	Jvgp2
NCBI Protein Information	VP2 capsid protein
UniProt Protein Name	Minor capsid protein VP2
UniProt Entry Name	VP2_POVJC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/jc-polyomavirus-minor-capsid-protein-vp2-antibody-elisa/118134>