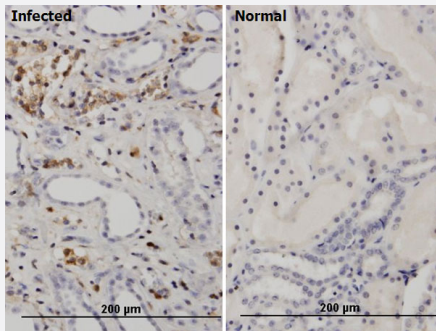


BKV VP1 monoclonal antibody (M02), clone 3B2

Catalog # MAB3204-M02

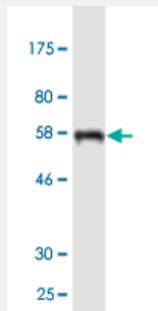
Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to BKV VP1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1.5 ug/ml]



Western Blot detection against Immunogen (66.99 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant BKV VP1.

Immunogen

BKV VP1 (YP_717939.1, 1 a.a. ~ 369 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MGTNSVDTAPT~~KR~~KGECPGAAPKKPKPEVQVPKLLIKGGVEVLEVKTGVDAITEVECF~~LN~~PEMG
DPDENLRGFS~~LK~~LSAENGFS~~SD~~SPERKMLPCYSTARIPLPNLNEDLTCGNLLMWEAVTVQTEVIGI
TSMNLNHAGSQKVHEHGGGKPIQGSNFHFFAVGGDPLEMQGVLMNYRTKYPDGTITPKNPTAQS
QVMNTD~~HK~~AYLDKNNAYPVECWVPDPSRNENTRYFGFTGGENVPPVLHVTNTATTVLLDEQGV
GPLCKADSLYVSAADICGLFTNSSGTQQWRGLARYFKIRLRKRSVKNPYISFLLSDLINRR~~TQ~~RVD
QQPMYGMESQVEEVRVFDGTERLPGDPDMIRYIDKQGQLQTKML

Host

Mouse

Reactivity	Viruses
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (66.99 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to BKV VP1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1.5 ug/ml]

[Protocol Download](#)

- ELISA

Gene Info — BKPyVgp4

Entrez GeneID	1489515
GeneBank Accession#	NC_001538
Protein Accession#	YP_717939.1
Gene Name	BKPyVgp4
Gene Alias	VP1
Gene Description	VP1
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- [In Vitro Study Evaluating the Effect of Different Immunosuppressive Agents on Human Polyomavirus BK Replication.](#)

Evaldo Favi, Lucia Signorini, Sonia Villani, Maria Dolci, Rosalia Ticozzi, Giuseppe Basile, Pasquale Ferrante, Mariano Ferraresso, Serena Delbue.

Transplantation Proceedings 2022 Sep; 54(7):2035.

Application: WB, Human, HEK 293T cells

- [Intracellular Low Iron Exerts Anti-BK Polyomavirus Effect by Inhibiting the Protein Synthesis of Exogenous Genes.](#)

Jiajia Sun, Yejing Shi, Huichun Shi, Yumin Hou, Chunlan Hu, Yigang Zeng, Guoyi Wu, Tongyu Zhu.

Microbiology Spectrum 2021 Dec; 9(3):e0109421.

Application: IF, WB-Ce, Human, RPTEC cells, TCCSUP cells

- [Cucurbit\[7\]uril as a Broad-Spectrum Antiviral Agent against Diverse RNA Viruses.](#)

Jia Quan, Xiangjun Zhang, Yuanfu Ding, Shengke Li, Yang Qiu, Ruibing Wang, Xi Zhou.

Virologica Sinica 2021 Oct; 36(5):1165.

Application: WB-Ce, Human, RD cells

- [High expression of JC polyomavirus-encoded microRNAs in progressive multifocal leukoencephalopathy tissues and its repressive role in virus replication.](#)

Takahashi K, Sato Y, Sekizuka T, Kuroda M, Suzuki T, Hasegawa H, Katano H.

PLoS Pathogens 2020 Apr; 16(4):e1008523.

Application: IHC-P, Human, Human multifocal leukoencephalopathy tissues