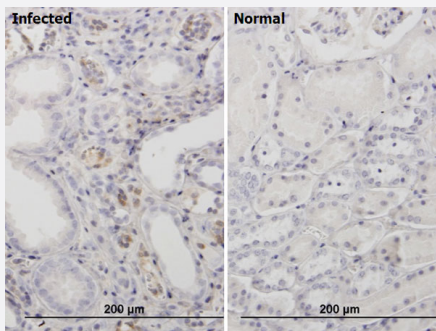


BKV VP1 monoclonal antibody (M22), clone 6E10

Catalog # MAB3204-M22

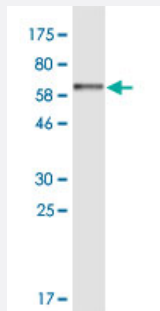
Size 100 ug

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~~AYLDKNNAYPVECWVPDPSR~~N~~ENTRYFGFTGGENVPPVLHV~~T~~NTATTVLLDEQGV
GPLCKADSLYVSAADICGLFTN~~SS~~GTQQWRGLARYFKIRLRKRSVKNPYISFLLSDLINRRTQ~~R~~VD
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

- [Comparison of Immunohistochemical Staining for Large T Antigen and Capsid Protein VP1 in BK Polyomavirus-Associated Nephropathy.](#)

Kosuke Masutani, Yuta Matsukuma, Akihiro Tsuchimoto, Yasuhiro Okabe, Atsushi Doi, Keizo Kaku, Masafumi Nakamura, Toshiaki Nakano, Kazuhiko Tsuruya, Takanari Kitazono.

Nephron 2020 Nov; 144:28.

Application: IHC-P, Human, Human kidney

- [BK polyomavirus-neutralizing activity of intravenous immunoglobulin products derived from donated blood in Japan.](#)

Urayama T, Takahashi K, Ideno S, Yunoki M, Saito M, Numakura K, Inoue T, Satoh S, Sakai K.

ISBT Science Series 2016 Nov; [Epub].

Application: ELISA, IF, Human, A549 cells

- [Polyomavirus BK-encoded microRNA suppresses autoregulation of viral replication.](#)

Tian YC, Li YJ, Chen HC, Wu HH, Weng CH, Chen YC, Lee CC, Chang MY, Hsu HH, Yen TH, Hung CC, Yang CW.

Biochemical and Biophysical Research Communications 2014 May; 447(3):543.

Application: WB-Tr, Human, HK-2 cells

- [Cyclophilin A and nuclear factor of activated T cells are essential in cyclosporine-mediated suppression of polyomavirus BK replication.](#)

Li YJ, Wu HH, Weng CH, Chen YC, Hung CC, Yang CW, Wang RY, Sakamoto N, Tian YC.

American Journal of Transplantation: Official Journal of the American Society of Transplantation and 2012 Sep; 12(9):2348.

Application: WB-Tr, Human, HK-2 cells