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Anti-HSV-1 and 2 Thymidine kinase (TK) Antibody

Cat. # Y053063

Quantity	100 µg
Tested Applications	Western blotting 1:1,000 Immunohistochemistry 1:300
Antibody Type	Primary antibody
Description	Herpes Simplex Virus thymidine kinase (HSV TK) is a salvage pathway enzyme which phosphorylates natural nucleoside substrates as well as nucleoside analogues. This protein may be utilized therapeutically by introducing it into a cell via a viral vector, followed by administration of a nucleoside analogue such as acyclovir or ganciclovir. HSV TK then phosphorylates the nucleoside analogue, creating a toxic product capable of killing the host cell. Thus, use of retroviral vectors which express HSVTK-1 has been suggested for not only the treatment of cancers, but for other diseases as well.
Immunogen	Synthetic peptide common to both HSV-1 and HSV-2 thymidine kinase (PAARYLMGSMTPQAVLAF).
Specificity	This antibody recognizes the HSV-1 and HSV-2 thymidine kinase. Does no recognize other viral or cellular thymidine kinases
Application Notes	Immunohistochemistry, immunoprecipitation, western blotting. Recognizes HSV thymidine kinase in paraffin embedded formaldehyde fixed tissues after antigen retrieval.
Raised In	Mouse
Clonality	Monoclonal
Isotype	IgG1 Purity Purified

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Storage Buffer	PBS, pH 7.4 with 0.05% sodium azide.
Formulation	Liquid
Concentration	1ug/ul
Storage	Store at +4°C (stabile up to12 months). For long term storage aliquot and store at -20°C. Avoid repeated freeze-thawing.

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