



# Anti-HSV type 1, 2 Polyclonal antibody (DPAB4279)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Product Overview	Herpes Simplex Virus 1&2 (HSV 1&2) Prediluted Polyclonal Antibody
Target	HSV type 1, 2
Immunogen	Herpes Simplex Virus
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	HSV
Conjugate	Unconjugated
Applications	IHC-P
Cellular Localization	Nuclear and cytoplasm
Positive Control	HSV infected tissues
Preservative	None
Storage	Store at 2°C to 8°C. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

## BACKGROUND

**Introduction** Antigen detection, in tissues and cells, is a multi-step immunohistochemical process. The initial

step binds the primary antibody to its specific epitope. After labelling the antigen with a primary antibody, a universal, affinity-purified, secondary antibody is added to bind to the primary antibody. An enzyme label is then added to bind to the secondary antibody; this detection of the bound antibody is evidenced by a colorimetric reaction. This antibody reacts with Herpes Simplex Virus (HSV) 1 and 2. It reacts with major viral envelope glycoproteins and with core proteins. Infected biopsy tissues include oesophagus, lung, liver, cervix and perianal region, as well as cytology specimens. HSV can also infect both the peripheral and central nervous system. Viral antigens may be detected in the cytoplasm and nucleus. Typically, HSV Type 1, infects tissues such as lung and oesophagus and HSV Type 2, infects the genitals and anus. This antibody does not cross-react with cytomegalovirus, Epstein-Barr virus, or varicella zoster virus. This antibody is compatible with formalin fixation, however prolonged fixation can be detrimental to HSV staining.

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**Keywords**

Group I (dsDNA); Herpesviridae; Alphaherpesvirinae; Simplexvirus; Herpes simplex virus 1 (HSV-1); Herpes simplex virus 2 (HSV-2); Herpes simplex virus 1; Herpes Simplex Virus; Herpes Simplex Virus Type 1; HSV 1; Human herpesvirus 1; Human herpesvirus type 1; Herpes simplex virus 2; Herpes Simplex Virus Type 2; HSV 2; Human herpesvirus 2; Human herpesvirus type 2; Herpes Simplex Virus 1 and 2

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