

Datasheet for RP018-01**Herpes Simplex Virus Type I Polyclonal Antibody****Overview**

Description:	Anti-Herpes Simplex Virus Type I (HSV1) (RABBIT) Antibody - RP018-01
Item No.:	RP018-01
Size:	100 µL
Applications:	IHC
Reactivity:	Herpesvirus
Host Species:	Rabbit

Product Details**Background:**

The herpes simplex (HSV) (also known as cold sore, night fever or fever blister) is a virus that causes a contagious disease. There are two main types of Herpes Simplex Virus (HSV), 1 and 2; and they belong to a family that includes Epstein-Barr virus (EBV) and Varicella zoster (chicken pox) virus. HSV1 and HSV2 are extremely difficult to distinguish from each other. The HSV-1 strain generally appears in the orofacial organs. HSV2 usually resides in the sacral ganglion at the base of the spine. These viruses have a large DNA genome, capsid, and a lipid bilayer membrane derived from the nuclear membrane of the last host. These viruses are capable of entering a latent phase where the host shows no visible sign of infection. Envelope glycoprotein C (gC) and glycoprotein B (gB) bind to cell surface heparin sulfate. Receptor binding protein glycoprotein D (gD) binds to HVEM, nectin-1, and 3-O sulfated heparin sulfate forming complexes with glycoprotein H (gH) and glycoprotein (gL) creating an entry pore for the viral capsid.

Synonyms:	Herpes, Herpesvirus, Simplex, HSV, HSV1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Herpesvirus
Immunogen Type:	Other

Immunogen: Anti-Herpes Simplex Virus Type I Antibody was produced in rabbit by repeated immunizations with detergent-solubilized herpes simplex virus (HSV) type 1 infected cells.

Purity/Specificity: This antibody reacts with the HSV type 1 specific antigen. It is suitable for detection of HSV in human cellular material obtained from superficial lesions or biopsies and for the early identification of HSV in infected tissue cultures. The antibody is supplied as a purified immunoglobulin.

Application Details

Tested Applications: IHC

Application Note: Anti-Herpes Simplex Virus Type I Antibody was tested in IHC-P with positive control infected tissues. Consult references (Kiernan, 1981; Sheehan & Hrapchak, 1980) for further details on specimen preparation. The user is advised to validate the use of the products with their tissue specimens prepared and handled in accordance with their laboratory practices.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

IHC: 1:50-1:100

Other: DOE: SEP2028

Formulation

Physical State: Liquid

Concentration: 1 X

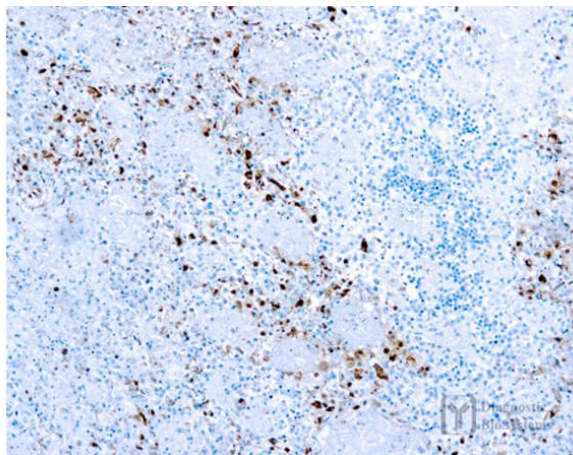
Preservative: 0.01% (w/v) Sodium Azide

Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store at 2-8°C. This antibody is suitable for use until the expiration date when stored at 2-8°C. Do not use product after the expiration date printed on vial. If reagents are stored under conditions other than those specified here, they must be verified by the user. Diluted reagents should be used promptly. Unused portions of antibody preparation should be discarded after one day. The presence of precipitate or an unusual odor indicates that the antibody is deteriorating and should not be used.

Images

**Immunohistochemistry**

Immunohistochemistry of Rabbit Anti-Herpes Simplex Virus Type I (HSV1) Antibody. Formalin fixed paraffin embedded human infected tissue. Anti-HSV I at 1:50-1:100 for 30mins at RT. Pretreatment: EDTA buffer pH 8.0.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.