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Datasheet for ABIN1841899
anti-PB1-F2 Protein antibody (AA 50-87)

Overview

Quantity:	100 µL
Target:	PB1-F2 Protein (PB1-F2)
Binding Specificity:	AA 50-87
Reactivity:	Influenza A Virus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PB1-F2 Protein antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide from AA 50-87 of Influenza A virus Protein PB1-F2 (PB2) conjugated to an immunogenic carrier protein was used as the antigen.
Specificity:	Specific for Protein PB1-F2.
Cross-Reactivity:	Influenza A Virus
Purification:	Whole serum

Target Details

Target:	PB1-F2 Protein (PB1-F2)
Alternative Name:	Protein PB1-F2 (PB1-F2 Products)
Target Type:	Influenza Protein

Target Details

Background: **Function:** Plays an important role in promoting lung pathology in both primary viral infection and secondary bacterial infection. Promotes alteration of mitochondrial morphology, dissipation of mitochondrial membrane potential, and cell death. Alternatively, inhibits the production of interferon in the infected cell at the level of host mitochondrial antiviral signaling MAVS. Its level of expression differs greatly depending on which cell type is infected, in a manner that is independent of the levels of expression of other viral proteins. Monocytic cells are more affected than epithelial cells. Seems to disable virus-infected monocytes or other host innate immune cells. May also act in trans: extracellular PB1-F2 released by infected cells could potentially inactivate hosts cell recruitment to the site of infection. During early stage of infection, may predispose the mitochondria to permeability transition through interaction with human SLC25A6/ANT3 and VDAC1. These proteins participate in the formation of the permeability transition pore complex (PTPC) responsible of the release of mitochondrial products that triggers apoptosis. **Miscellaneous:** Is not encoded in all strains, and seems to be dispensable for replication. **Subcellular location:** Host mitochondrion inner membrane. Host nucleus. Host cytoplasm & host cytosol. **Note:** Inner mitochondrial membrane in most cells types. Otherwise is detected in the nucleus and cytosol.,Influenza Virus,PB1

UniProt: [P0C0U1](#)

Application Details

Application Notes: IHC, WB (confirmed by recombinant protein). A dilution of 1: 300 to 1: 2000 is recommended. The optimal dilution should be determined by the end user. Not yet tested in other applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months