

Product datasheet

Anti-Parainfluenza Virus type 1 nucleocapsid antibody [7F5] ab34752

★★★★★ [1 Abreviews](#) [1 Image](#)

Overview

Product name	Anti-Parainfluenza Virus type 1 nucleocapsid antibody [7F5]
Description	Mouse monoclonal [7F5] to Parainfluenza Virus type 1 nucleocapsid
Host species	Mouse
Specificity	This antibody reacts with nucleocapsid protein of human parainfluenza virus type 1 (hPIV-1). It does not cross-react with nucleocapsid proteins of Sendai virus and human parainfluenza virus type 3 (hPIV-3), neither does it react with nucleocapsid proteins of measles, mumps, Menangle, Nipah, and Hendra viruses.
Tested applications	Suitable for: ELISA, WB
Species reactivity	Reacts with: Human respirovirus 1
Immunogen	Recombinant full length protein corresponding to Parainfluenza Virus type 1 nucleocapsid. Database link: Q8QT33
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	IgG fraction
Clonality	Monoclonal

Clone number	7F5
Myeloma	Sp2/0
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34752 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/1000 - 1/10000.
WB		1/1000 - 1/5000. Predicted molecular weight: 58 kDa.

Target

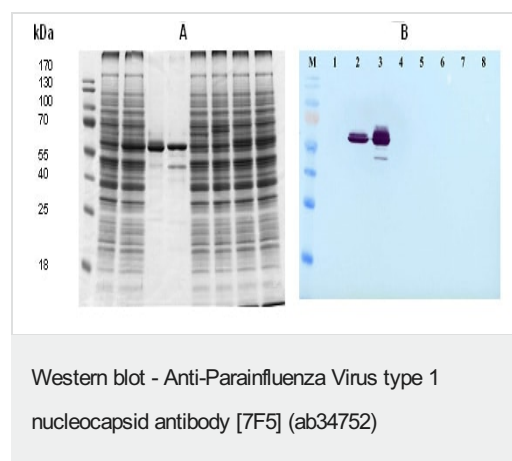
Relevance

Human parainfluenza viruses (HPIV) were first discovered in the late 1950s. HPIV is genetically and antigenically divided into types 1 to 4. HPIV 1 to HPIV 3 are major causes of lower respiratory infections in infants, young children, the immunocompromised, the chronically ill, and the elderly. Each subtype can cause somewhat unique clinical diseases in different hosts. HPIV are enveloped and of medium size (150 to 250 nm), and their RNA genome is in the negative sense. These viruses belong to the Paramyxoviridae family, one of the largest and most rapidly growing groups of viruses causing significant human and veterinary disease. HPIV are closely related to recently discovered megamyxoviruses (Hendra and Nipah viruses) and metapneumovirus. Parainfluenza viruses are enveloped viruses with a negative strand, ~15 500 nucleotide-long nonsegmented RNA genome which encodes two envelope glycoproteins, the haemagglutinin-neuraminidase (HN), and the fusion protein (F, itself cleaved into F1 and F2 subunits), a matrix protein (M), a nucleocapsid protein (N) and several nonstructural proteins including the viral replicase (L).

Cellular localization

Cytoplasmic

Images



Immunoblot of recombinant nucleocapsid protein (NP) of human parainfluenza virus type 1 (hPIV-1) ab34752 at a concentration of 1 µg/ml.

MW markers;

lane 1: crude yeast cell lysate (mock control)

Lane 2: crude lysate of transformed yeast cells expressing NP of hPIV-1;

lane 3: purified recombinant NP of hPIV-1;

lane 4: purified recombinant NP of Sendai virus;

lane 5: lysate with recombinant NP of hPIV-3;

lanes 6-8: lysates with recombinant NP of Menangle (6), Hendra (7) and Nipah (8) viruses.

Panel A : SDS-PAGE, Coomassie staining, B: immunoblot with ab34752.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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