abcam

Product datasheet

Anti-Orthoreovirus fusion protein p10 antibody ab26816

1 Image

Overview

Product name	Anti-Orthoreovirus fusion protein p10 antibody
Description	Rabbit polyclonal to Orthoreovirus fusion protein p10
Host species	Rabbit
Tested applications	**Suitable for:** ELISA
Species reactivity	**Reacts with:** Avian orthoreovirus
Immunogen	Synthetic peptide corresponding to Orthoreovirus fusion protein p10. Database link: **O12285**
General notes	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. 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

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 long term.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab26816 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

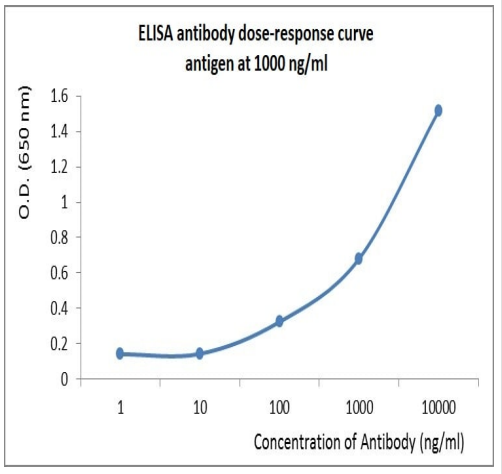
Application	Abreviews	Notes
ELISA		1/40000.

Target

Relevance

The p10 fusion-associated small transmembrane protein of avian reovirus induces extensive syncytium formation in transfected cells. The p10-induced cell-cell fusion is restricted by rapid degradation of the majority of newly synthesized p10. The small ectodomain of p10 targets the protein for degradation following p10 insertion into an early membrane compartment. Paradoxically, conservative amino acid substitutions in the p10 ectodomain hydrophobic patch that eliminate fusion activity also increase p10 stability. The small amount of p10 that escapes intracellular degradation accumulates at the cell surface in a relatively stable form, where it mediates cell-cell fusion as a late-stage event in the virus replication cycle. The unusual relationship between a nonstructural viral membrane fusion protein and the replication cycle of a nonenveloped virus has apparently contributed to the evolution of a novel mechanism for restricting the extent of virus-induced cell-cell fusion.

Images



ELISA - Anti-Orthoreovirus fusion protein p10 antibody (ab26816)

ELISA using ab26816 at varying antibody concentrations and antigen concentration at 1000 ng/mL.

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

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