Datasheet for ABIN1388673

anti-AAV VP1 antibody (AbBy Fluor® 350)

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Overview

Quantity:	100 µL
Target:	AAV VP1
Reactivity:	Adeno-Associated Virus (AAV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AAV VP1 antibody is conjugated to AbBy Fluor® 350
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from Adeno-Associated Virus 5 capsid protein VP1
Isotype:	IgG
Specificity:	This antibody will recognize many AAV strains, including AAV5, AAV4, AAV3B, AAV9, and AAV13
Cross-Reactivity:	Virus
Cross-Reactivity (Details):	AAV5
Purification:	Purified by Protein A.

Target Details

Target:	AAV VP1
Alternative Name:	Adeno-Associated Virus Capsid Protein VP1 (AAV VP1 Products)

Target Details

Target Type:	Viral Protein
Background:	Synonyms: capsid protein Adeno-associated 5 virus, capsid protein [Adeno-associated virus - 5], capsid protein AAV5, Parvovirus coat protein VP1, capsid protein. Background: Capsid protein self-assembles to form an icosahedral capsid with a T=1 symmetry, about 22 nm in diameter, and consisting of 60 copies of three size variants of the capsid protein VP1, VP2 and VP3 which differ in their N-terminus. The capsid encapsulates the genomic ssDNA. Binds to host cell heparan sulfate and uses host ITGA5-ITGB1 as coreceptor on the cell surface to provide virion attachment to target cell. This attachment induces virion internalization predominantly through clathrin-dependent endocytosis. Binding to the host receptor also induces capsid rearrangements leading to surface exposure of VP1 N-terminus, specifically its phospholipase A2-like region and putative nuclear localization signal(s). VP1 N-terminus might serve as a lipolytic enzyme to breach the endosomal membrane during entry into host cell and might contribute to virus transport to the nucleus

Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months