

Product datasheet for **CF816023**

AAV2(Rep78, 68, 52, 40) Mouse Monoclonal Antibody [Clone ID: OTI12G6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI12G6
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Adeno-Associated Virus 2
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	AAV2 Rep40
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	70KD
Background:	AAV vectors are promising delivery tools for human gene therapy. AAV is a single-stranded DNA parvovirus with a 4.7 kb genome composed of the rep and cap genes flanked by inverted terminal repeats (ITRs). The rep gene encodes non-structural proteins involved in viral replication, packaging, and genomic integration, whereas the cap gene codes for structural proteins (VP1, VP2, VP3) that assemble to form the viral capsid, which serves as the viral gene delivery vehicle.



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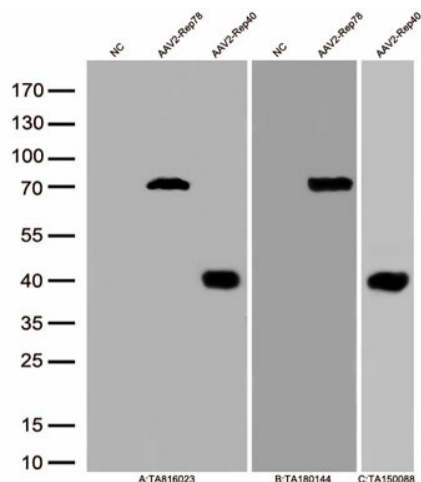
Product images:


Figure A, Western blot analysis of overexpressed lysates (15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), AAV2-Rep78 overexpressed plasmid and AAV2-Rep40 protein (0.1ug) using anti-AAV2(Rep78, 68, 52, 40) antibody [TA816023] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000). Figure C, Western blot analysis of the same samples as figure A with anti-His antibody ([TA150088], 1:500).