

Product datasheet

anti-AAV VP1/VP2/VP3 rabbit polyclonal (VP51), serum

Short overview

Cat. No.	61084
Quantity	250 µl

Product description

Host	Rabbit
Antibody Type	Polyclonal
Immunogen	Recombinant AAV2 VP3 proteins
Formulation	Contains 0.09% sodium azide
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ELISA, ICC/IF, IP, WB
Reactivity	AAV1, AAV2, AAV3, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9, AAVDJ, AAVrh10, AAVrh74

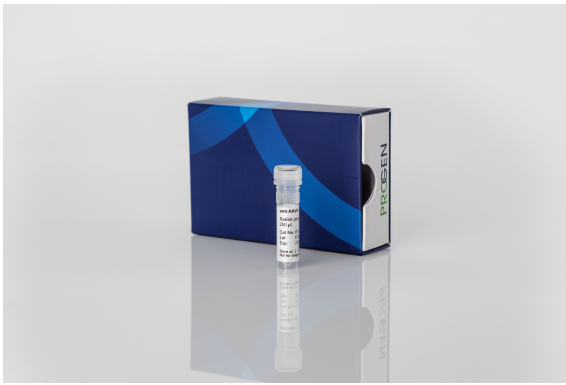
Applications

ELISA	Assay dependent
Immunocytochemistry (ICC)	1:50-1:100
Immunoprecipitation (IP)	1:10
Western Blot (WB)	1:200-1:500

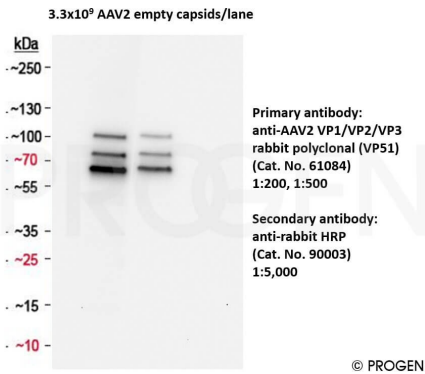
Background

The VP51 antibody reacts with the denatured proteins VP1, VP2, and VP3 of several AAV serotypes. Additionally, it detects native capsids with significantly lower affinity.

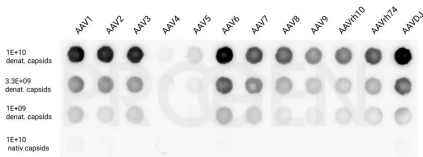
Product images



anti-AAV VP1/VP2/VP3 rabbit polyclonal (VP51), serum



WB with anti-AAV VP1/VP2/VP3 antibody (Cat. No. 61084, 1:200 & 1:500) using AAV2 capsids as sample



Dot blot analysis of denatured and native AAV1-AAV9, AAVrh10, AAVDJ, AAVrh74 capsids (1E+09-1E+10 capsids) using the anti-AAV VP1/VP2/VP3 rabbit polyclonal antibody VP51. Capsids were denatured at 95°C for 10 min in sample buffer. The nitrocellulose membrane was blocked with 5% milk in PBST for 1 h at RT. The primary antibody anti-AAV VP1/VP2/VP3 rabbit polyclonal, VP51 (Cat. No. 61084) was diluted in blocking buffer (1:250) and incubated for 1 h at RT. The secondary antibody anti-rabbit IgG goat polyclonal, HRP conjugate (Cat. No. 90003) was also diluted in blocking buffer (antibody concentration 200 ng/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using Pierce ECL Western Blotting Substrate.

References

Publication	Species	Application
Ohba K. et al. Adeno-associated virus vector system controlling capsid expression improves viral quantity and quality., iScience, 26, 106487, (2023).	AAV2, AAV7, AAV8, AAV9, AAVrh10	WB
Michels, A. et al. Lentiviral and adeno-associated vectors efficiently transduce mouse T lymphocytes when targeted to murine CD8. Mol. Ther. - Methods Clin. Dev. 23, 334â€“347 (2021).	AAV2	WB
Galibert, L. et al. Functional roles of the membrane-associated AAV protein MAAP. Sci. Rep. 11, (2021).	AAV2	ICC-IF
Grosse, S. et al. Relevance of Assembly-Activating Protein for Adeno-associated Virus Vector Production and Capsid Protein Stability in Mammalian and Insect Cells. J.Virol. 91,Â (2017).	AAV2	WB
Mietzsch, M. et al. OneBac: Platform for Scalable and High-Titer Production of Adeno-Associated Virus Serotype 1â€“12 Vectors for Gene Therapy. Hum. Gene Ther. 25, 212â€“222 (2014).	AAV1,AAV2,AAV3,AAV4,AAV5,AAV6,AAV7,AAV8,AAV9,AAVrh10,AAV11,AAV12	dot blot

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