



Recombinant Version of Classic Clone

**Cat nr AE00341**

**Product Datasheet**

Rat Recombinant Antibody, rrSV5-Pk to:

**SV5-Pk (V5) epitope tag**

Epitope tag, also known as GKPIPPLLGLDST tag; V5 epitope tag; GKPIPPLLGLDST epitope tag; Pk tag; Pk-tag, for the detection of recombinant proteins tagged with the GKPIPPLLGLDST sequence.

Cellular localization

Official Symbol (Gene)

GenelD

SwissProt

Confirmed Applications	WB
Positive controls	multitag protein
Aeonian Rating©	100

Purification By Protein A from bioreactor concentrate

Formulation  1 mg IgG/ml in PBS with 0.02% Proclin 300

Amount  200ug  1000ug

Isotype Rat IgG2a, kappa, recombinant chimeric version of mouse IgG1 clone SV5-Pk

Confirmed species reactivity Immunogen A purification fraction of paramyxovirus Simian Virus 5 (SV5) propagated from Vero cells culture supernatant

Epitope GKPIPPLLGLDST

Storage instructions Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.

Expiration Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.

Warranty This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately for replacement or refund.

Liability This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance see next pages

**Product data:**

**Immunoassays**

**Western Blot (WB):**

The original clone SV5-Pk was successfully used to detect Pk-tagged Fibronectin in transgenic mouse kidney lysates, and V5-tagged ANO5 in COS1 lysates.

Bakeberg JL, Tammachote R, Woollard JR, Hogan MC, Tuan HF, Li M, van Deursen JM, Wu Y, Huang BQ, Torres VE, Harris PC, Ward CJ. Epitope-tagged Pkhd1 tracks the processing, secretion, and localization of fibrocystin. *J Am Soc Nephrol.* 2011 Dec;22(12):2266-77. doi: 10.1681/ASN.2010111173. PMID: 22021705.

Vihola A, Luque H, Savarese M, Penttilä S, Lindfors M, Leturcq F, Eymard B, Tasca G, Brais B, Conte T, Charton K, Richard I, Udd B. Diagnostic anoctamin-5 protein defect in patients with ANO5-mutated muscular dystrophy. *Neuropathol Appl Neurobiol.* 2018 Aug;44(5):441-448. doi: 10.1111/nan.12410. PMID: 28489263.