

KD-Validated Antibodies

We use our proprietary KD platforms to down regulate protein expression & use this method to validate antibody specificity.

Validation Principle

If a protein exists, a signal occurs; if the protein does not exist, the signal disappears.

Product Features

- Highly Specific

< 20% of commercial Abs are specific, our validated Abs are guaranteed specific.

- Multiple-Application Validated

Ab specificity can be application-specific, that is why we validate Abs in WB, IC and FCM.

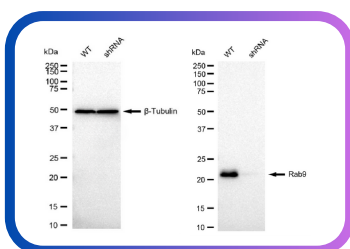
- Trial-and-Error Free

Our validated Abs will ensure that your data are accurate, reliable, & reproducible.

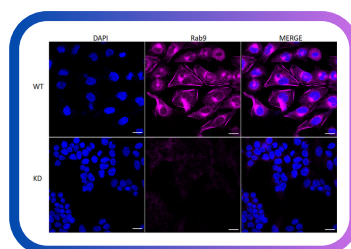
Validation Examples

KD-Validated Anti-Rab9 Rabbit Monoclonal Antibody

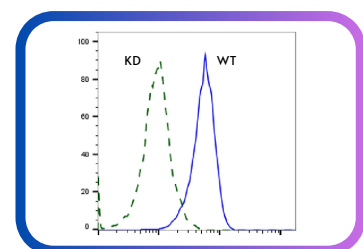
Cat# 61120



West Blotting



IF-IC



FCM

KD-Validated Lentiviral Gene Silencing Kit

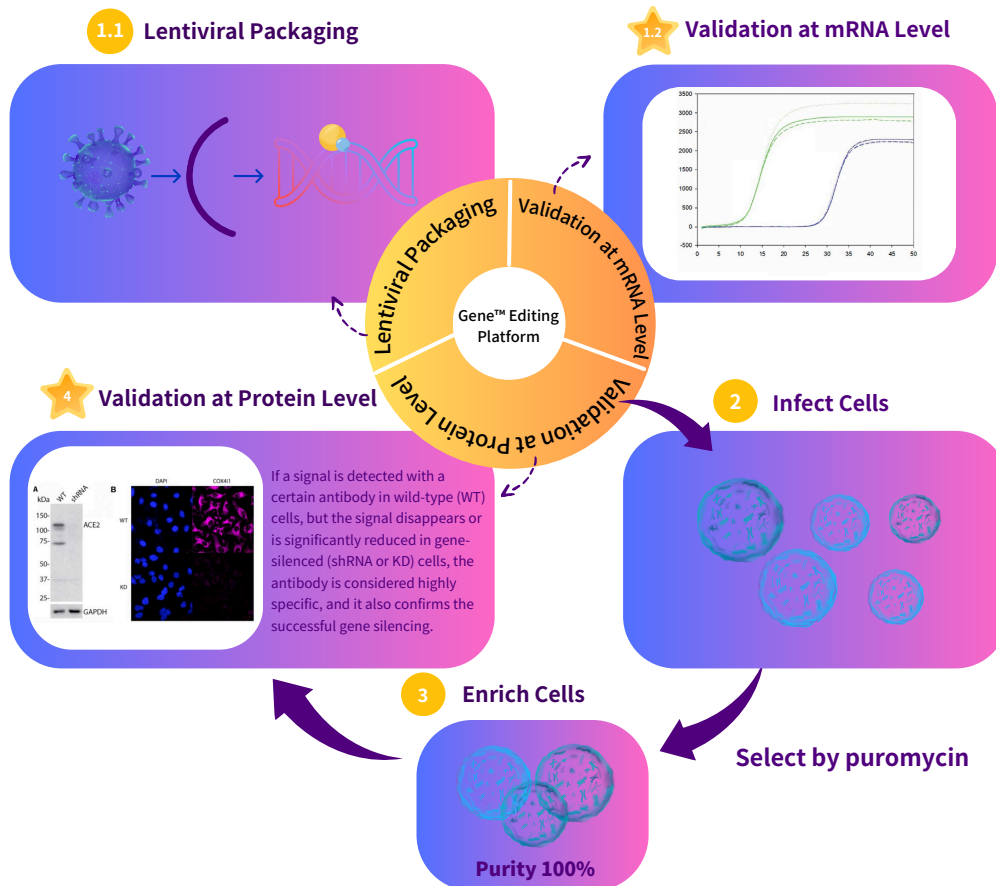
This Kit Ensures Your Gene of Interest Will be Silenced!

Kit Components

WB-validated shRNA lentiviral particles	4 mL
Non-Target shRNA lentiviral particles	4 mL
Validation Tools:	
WT cell lysate	25 µg
KD cell lysate	25 µg
KD-validated Ab	5 µL

Product Features

- Highly Specific:** verified at the level of mRNA or protein to ensure the silencing effect
- Simple & Fast:** directly add to the medium; stable cell line can be established in 1 wk
- Universal:** suitable for human primary cells, cell lines, dividing and non-dividing cells
- Stable:** shRNA is integrated into the genome, can be stably passed to daughter cells
- All-in-one:** kit contains all necessary positive and negative controls to ensure KD effectiveness



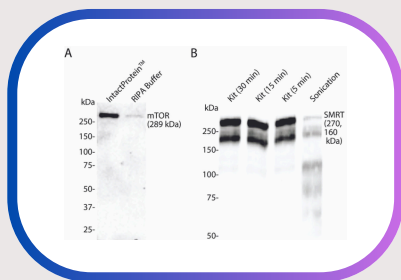
IntactProtein™ Universal Protein Extraction Kit

Ultimate Solution to Large and PTM Protein Extractions

The Best Solution for Protein Extraction from Adipose Tissues

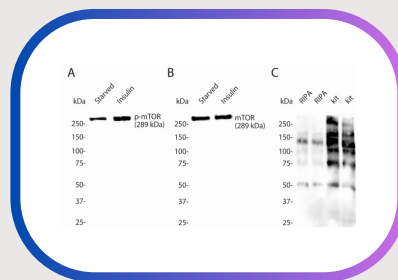
★ Complete

Large protein not fragmented
& wholly extracted



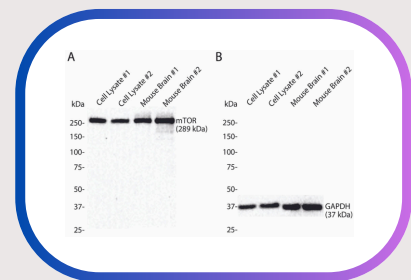
★ Economic

No inhibitors required
No loss of protein PTMs



★ Universal

Suitable for cells & tissues
Suitable for small & large proteins



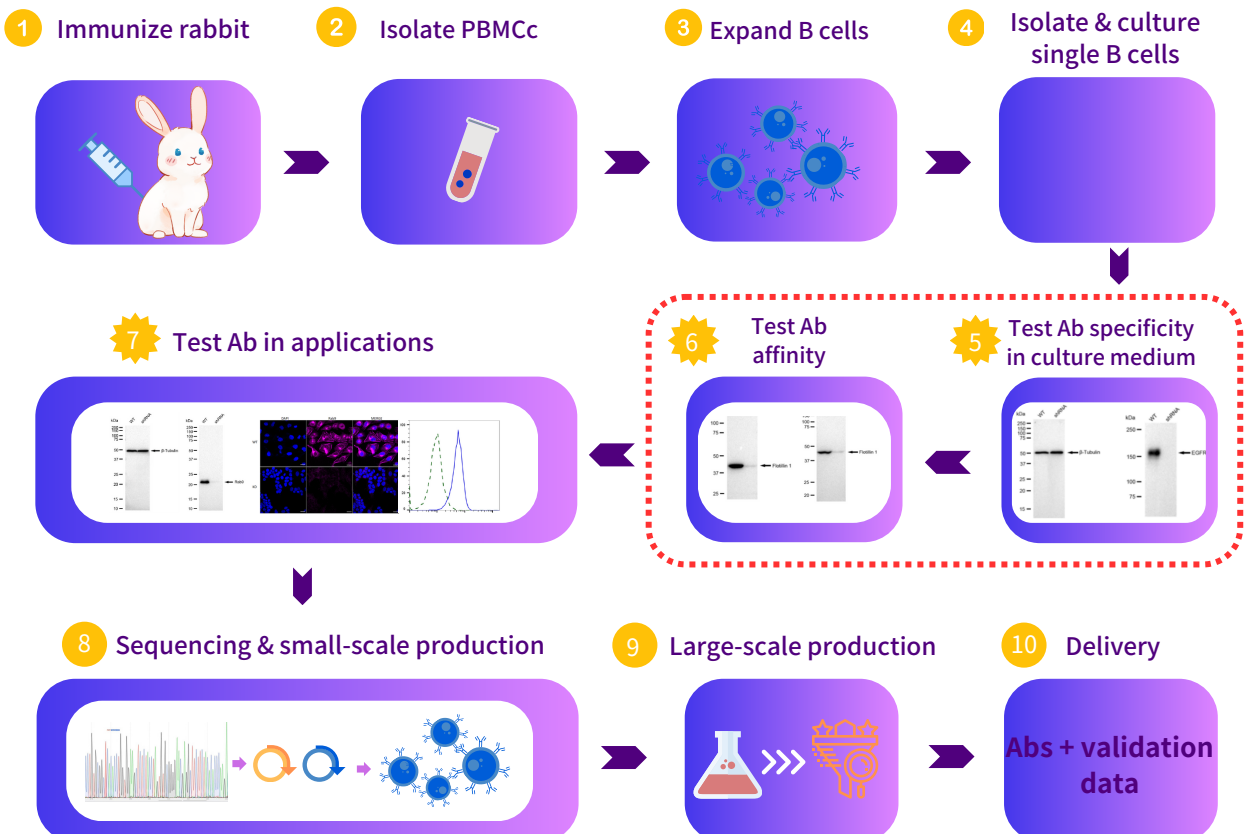
Key References

- 1 Cell & Bioscience 2022;12:180. IF=6.1
- 2 Cell Metabolism 2024;36:793-807. IF=27.7
- 3 Advanced Science 2023;10:2204190. IF=17.5
- 4 Acta Pharmaceutica Sinica B 2024;14(5):2137-2152. IF=14.7

Custom Development Service for Recombinant Rabbit Monoclonal Antibodies

We select B cells with KD strategy to ensure clones we deliver to you are specific

- When we design the antigen, we prepare KD simultaneously
- We use KD cells/lysates to screen B cells at single-cell stage to ensure only specific clones go downstream
- We test Ab affinity and application scope as requested by clients



Validation Service for Antibody Specificity

Direct purchase
Option 1

We have the KD-validated cell lysates



We use WT and KD cell lysates to validate your Abs
lead: 3-5 days

Custom Service
Option 2

Data search

We find the gene of the target protein



KD

We design shRNA
Protein disappears



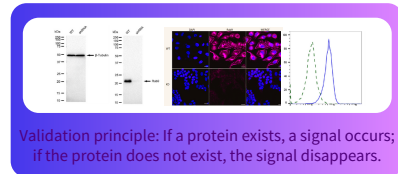
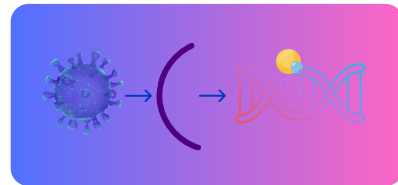
Validation

WB, IC, FCM
Validate Ab specificity



Deliverables

Deliver validation data
lead: 4 weeks



Lentivirus Packaging and Stable Cell Line Generation Services

Direct purchase
Option 1

if we have the lentivirus in the library already



- Virus packaging within 1 wk
- Stable cell line within 2 wks

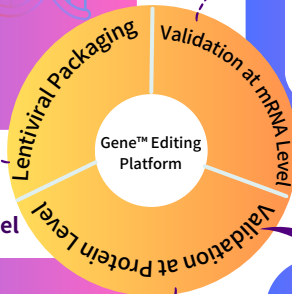
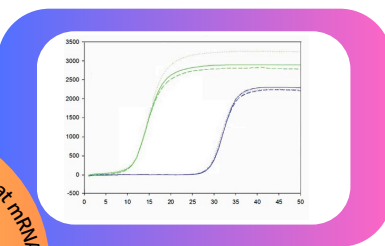
◆ Guarantee your gene of interest will be silenced/knocked down.

Generate a custom lentivirus or stable cell line lead:4 weeks

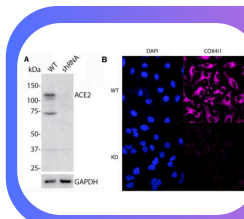
Option 2

1.1 Lentiviral Packaging

1.2 Validation at mRNA Level

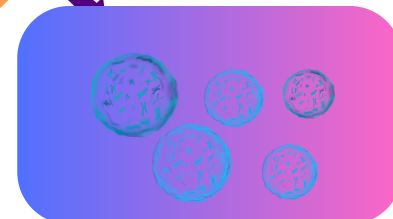


4 Validation at Protein Level



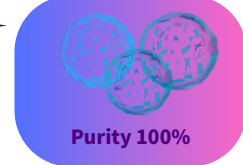
If a signal is detected with a certain antibody in wild-type (WT) cells, but the signal disappears or is significantly reduced in gene-silenced (shRNA or KD) cells, the antibody is considered highly specific, and it also confirms the successful gene silencing.

2 Infect Cells



3 Enrich Cells

Select by puromycin



CliniSciences Group

Austria

Company: CliniSciences GmbH
Address: Sternwartestrasse 76, A-1180
Wien - Austria
Telephone: +43 720 115 580
Fax: +43 720 115 577
Email: oesterreich@clinisciences.com
Web: <https://www.clinisciences.com>



Belgium

Company: CliniSciences S.R.L
Address: Avenue Stalingrad 52, 1000
Brussels - Belgium
Telephone: +32 2 31 50 800
Fax: +32 2 31 50 801
Email: belgium@clinisciences.com
Web: <https://www.clinisciences.com>



Denmark

Company: CliniSciences ApS
Address: Oesterbrogade 226, st. 1,
Copenhagen, 2100 - Denmark
Telephone: +45 89 888 349
Fax: +45 89 884 064
Email: denmark@clinisciences.com
Web: <https://www.clinisciences.com>



Finland

Company: CliniSciences ApS
Address: Oesterbrogade 226, st. 1,
Copenhagen, 2100 - Denmark
Telephone: +45 89 888 349
Fax: +45 89 884 064
Email: suomi@clinisciences.com
Web: <https://www.clinisciences.com>



France

Company: CliniSciences S.A.S
Address: 74 Rue des Suisses, 92000
Nanterre- France
Telephone: +33 9 77 40 09 09
Fax: +33 9 77 40 10 11
Email: info@clinisciences.com
Web: <https://www.clinisciences.com>



Germany

Company: Biotrend Chemikalien GmbH
Address: Wilhelm-Mauser-Str. 41-43,
50827 Köln - Germany
Telephone: +49 221 9498 320
Fax: +49 221 9498 325
Email: info@biotrend.com
Web: <https://www.biotrend.com>



Iceland

Company: CliniSciences ApS
Address: Oesterbrogade 226, st. 1,
Copenhagen, 2100 - Denmark
Telephone: +45 89 888 349
Fax: +45 89 884 064
Email: island@clinisciences.com
Web: <https://www.clinisciences.com>



Ireland

Company: CliniSciences Limited
Address: Ground Floor, 71 lower Baggot street
Dublin D02 P593 - Ireland
Telephone: +353 1 6971 146
Fax: +353 1 6971 147
Email: ireland@clinisciences.com
Web: <https://www.clinisciences.com>



Italy

Company: CliniSciences S.r.l
Address: Via Maremmana inferiore 378
Roma 00012 Guidonia Montecelio - Italy
Telephone: +39 06 94 80 56 71
Fax: +39 06 94 80 00 21
Email: italia@clinisciences.com
Web: <https://www.clinisciences.com>



Netherlands

Company: CliniSciences B.V.
Address: Kraijenhoffstraat 137A,
1018RG Amsterdam, - Netherlands
Telephone: +31 85 2082 351
Fax: +31 85 2082 353
Email: nederland@clinisciences.com
Web: <https://www.clinisciences.com>



Norway

Company: CliniSciences AS
Address: c/o MerVerdi Munkerudtunet 10
1164 Oslo - Norway
Telephone: +47 21 988 882
Email: norge@clinisciences.com
Web: <https://www.clinisciences.com>



Poland

Company: CliniSciences sp.Z.o.o.
Address: ul. Rotmistrza Witolda Pileckiego 67
lok. 200 - 02-781 Warszawa -Poland
Telephone: +48 22 307 0535
Fax: +48 22 307 0532
Email: polska@clinisciences.com
Web: <https://www.clinisciences.com>



Portugal

Company: Quimigen Unipessoal LDA
Address: Rua Almada Negreiros, Lote 5, Loja 14,
2615-275 Alverca Do Ribatejo - Portugal
Telephone: +351 30 8808 050
Fax: +351 30 8808 052
Email: info@quimigen.com
Web: <https://www.quimigen.pt>



Spain

Company: CliniSciences Lab Solutions
Address: C/ Hermanos del Moral 13
(Bajo E), 28019, Madrid - Spain
Telephone: +34 916 750 700
Fax: +34 91 269 40 74
Email: espana@clinisciences.com
Web: <https://www.clinisciences.com>



Sweden

Company: CliniSciences ApS
Address: Oesterbrogade 226, st. 1,
Copenhagen, 2100 - Denmark
Telephone: +45 89 888 349
Fax: +45 89 884 064
Email: sverige@clinisciences.com
Web: <https://www.clinisciences.com>



Switzerland

Company: CliniSciences AG
Address: Fracht Ost Flughafen Kloten
CH-8058 Zürich - Switzerland
Telephone: +41 (044) 805 76 81
Fax: +41 (044) 805 76 75
Email: switzerland@clinisciences.com
Web: <https://www.clinisciences.com>



UK

Company: CliniSciences Limited
Address: 11 Progress Business center, Whittle
Parkway, SL1 6DQ Slough- United Kingdom
Telephone: +44 (0)1753 866 511
or +44 (0) 330 684 0982
Fax: +44 (0)1753 208 899
Email: uk@clinisciences.com
Web: <https://www.clinisciences.com>



USA

Company: CliniSciences LLC
Address: c/o Carr Riggs Ingram,
500 Grand Boulevard, Suite 210 Miramar
Beach, FL 32550- USA
Telephone: +1 850 650 7790
Fax: +1 850 650 4383
Email: usa@clinisciences.com
Web: <https://www.clinisciences.com>

