

Recombinant Primary Antibodies

Proteintech offers a wide selection of recombinant primary antibodies against key protein targets spanning across multiple research areas and validated for use in multiple applications including western blot, IHC, immunofluorescence, flow cytometry, and ELISA.



WHY USE RECOMBINANT ANTIBODIES?

Consistent performance

Using expression vectors to produce recombinant antibodies minimizes the risk of genetic drift, thereby ensuring high lot-to-lot consistency and reproducibility of experimental data.

Genetically engineered for enhanced performance

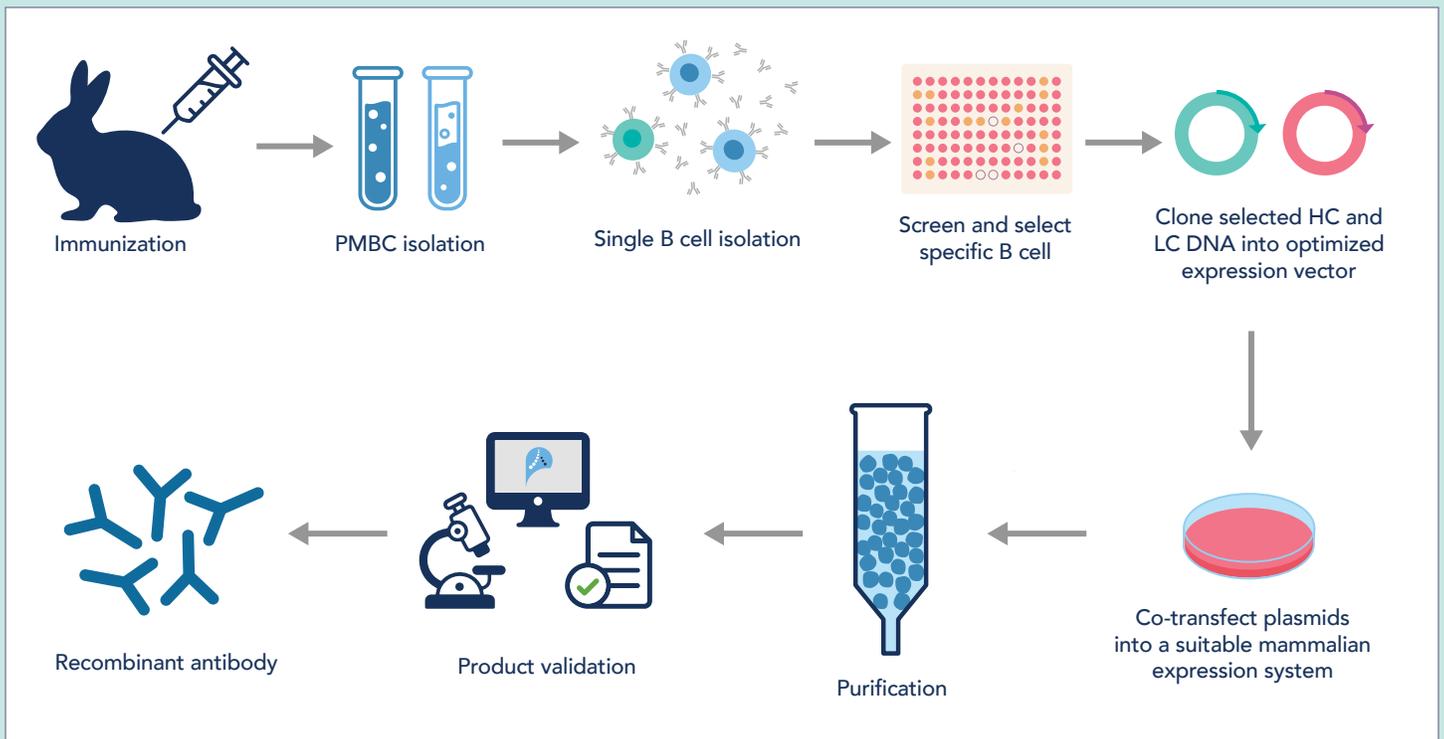
With a recombinant production platform, it is possible to modify the antibody sequences to generate antibodies that have improved functionality and can bind to their target antigens with higher affinity and specificity.

Continuous supply

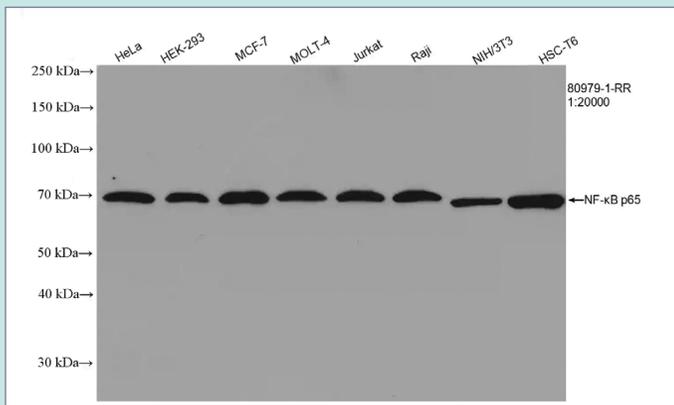
The use of recombinant technology allows recombinant antibodies to be regenerated any time and at any desired scale making them ideal for long-term studies.

Animal-free

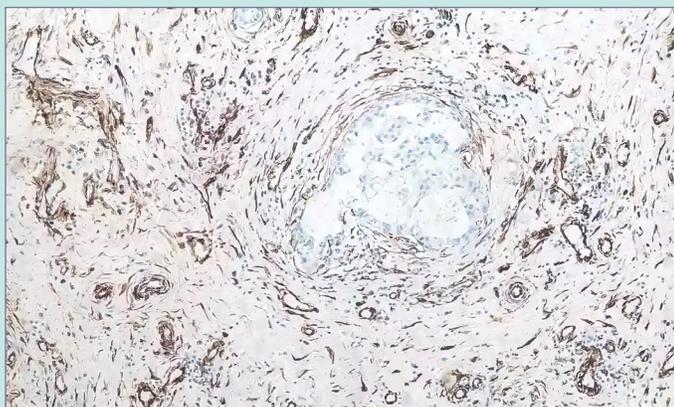
In recombinant production, once the antibody sequence is retrieved and cloned following the initial immunization, the need for animals is eliminated for subsequent production steps and even subsequent batches.



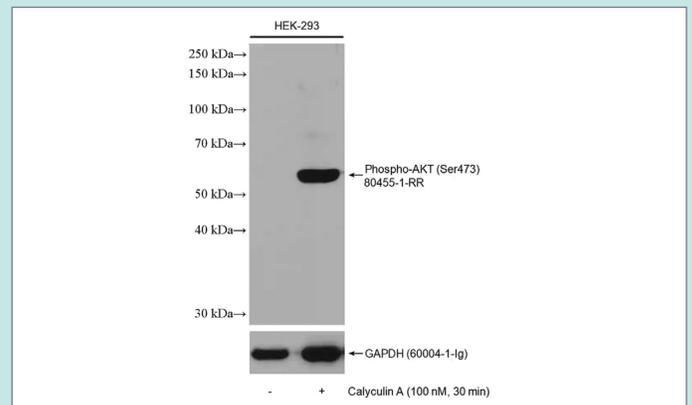
▲ **Production Process for Recombinant Primary Antibodies at Proteintech**



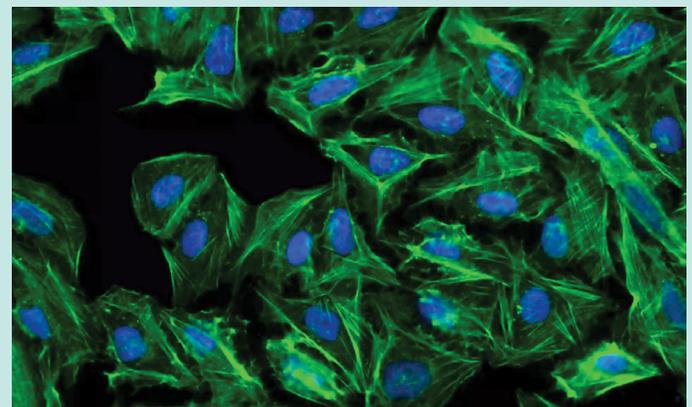
▲ Western blot analysis of various lysates using **NF-κB p65 recombinant antibody (80979-1-RR)**.



▲ IHC analysis of human breast cancer tissue using **vimentin recombinant antibody (80232-1-RR)**.



▲ Western blot analysis of untreated and Calyculin A treated HEK-293 cells using **Phospho-AKT (Ser473) recombinant antibody (80455-1-RR)** and GAPDH antibody (60004-1-Ig).



▲ IF analysis of U2OS cells using **beta actin recombinant antibody (green, 81115-1-RR)** and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).