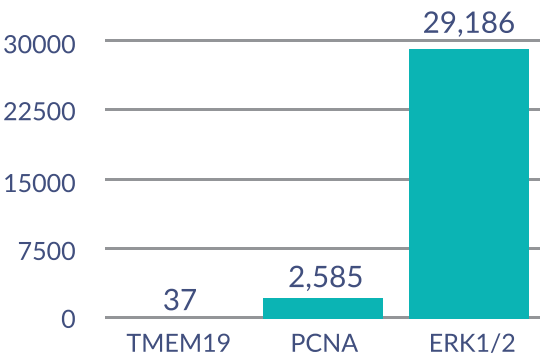# AI-Assisted Antibody Selection with BenchSci

Did you know?

The number of available antibodies per target can be in the thousands

and

Half of antibodies don't work as intended (Berglund, 2008)[1]

[1] Berglund, L. et al. (2008) A Genecentric Human Protein Atlas for Expression Profiles Based on Antibodies. Mol. Cell Proteomics 7, 2019–2027

BenchSci

>10m open and closed access publications*

>6m antibody products*

>7m antibody validations
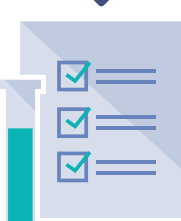
*And new additions every month!

BenchSci's AI reads scientific documents like a PhD biologist to help researchers select the right antibody in minutes based on the most relevant peer-reviewed experiments

To get started with BenchSci:
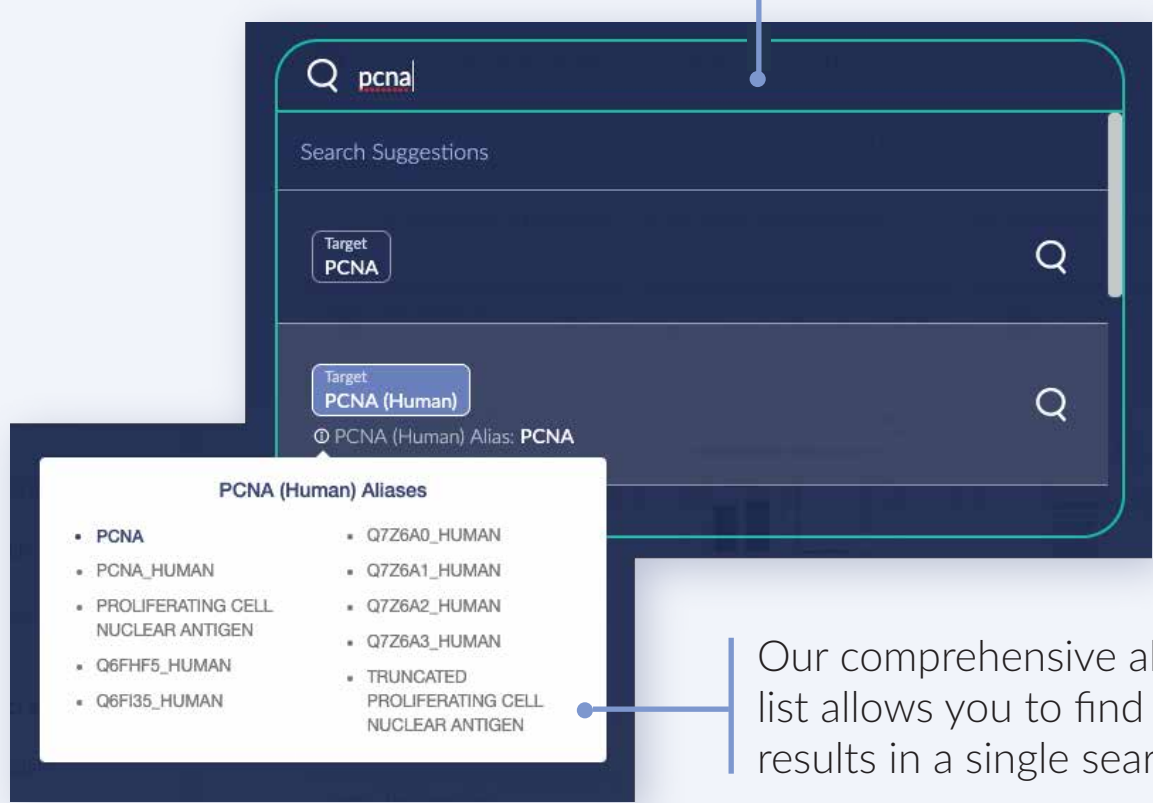
Go to benchsci.com and click

Sign Up

Sign up with your institutional email address

Enter your protein/gene into the search bar

along with your experimental context (technique, species, tissue, clone ID, conjugation, etc.), or enter an antibody catalog number
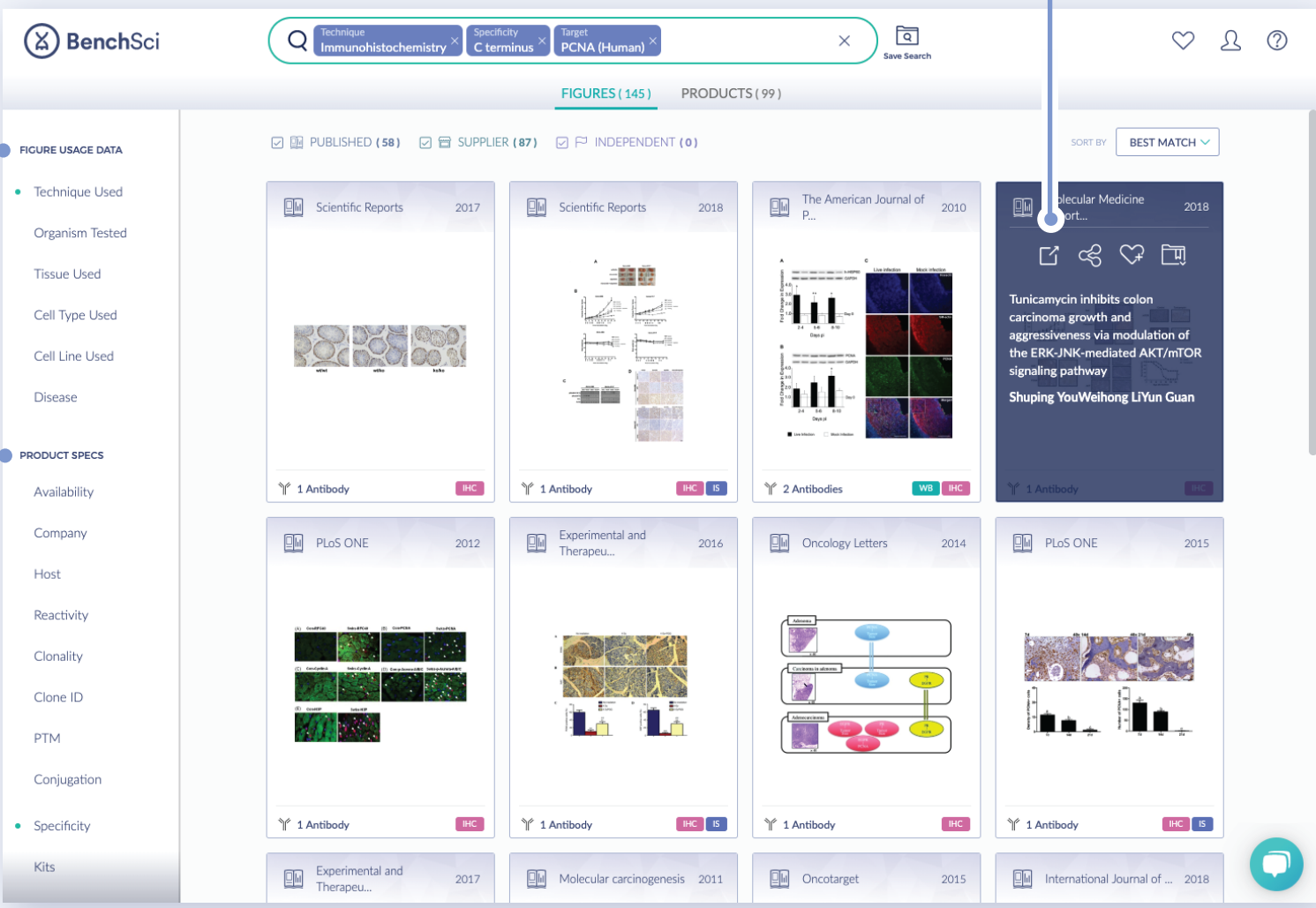
Our comprehensive alias list allows you to find all results in a single search

How to search

Filter down the results

Click into a figure to view more
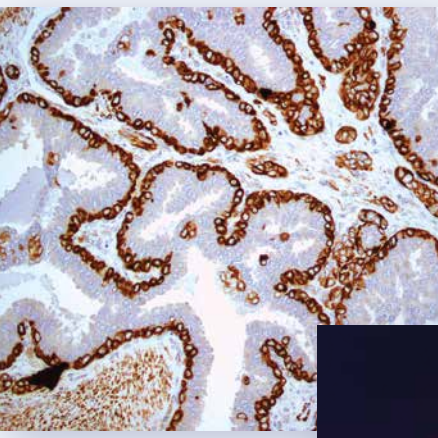
Filter by experimental context

Filter by vendor specifications

1 Literature search

Discover literature-wide trends on your protein with our experimental context filters

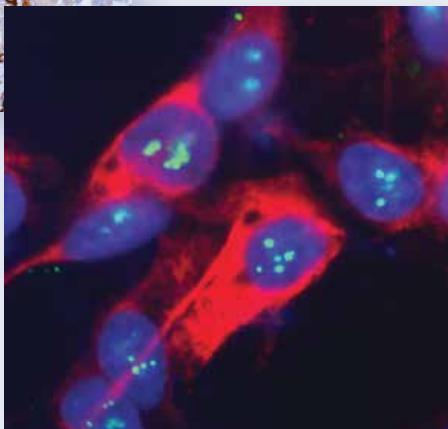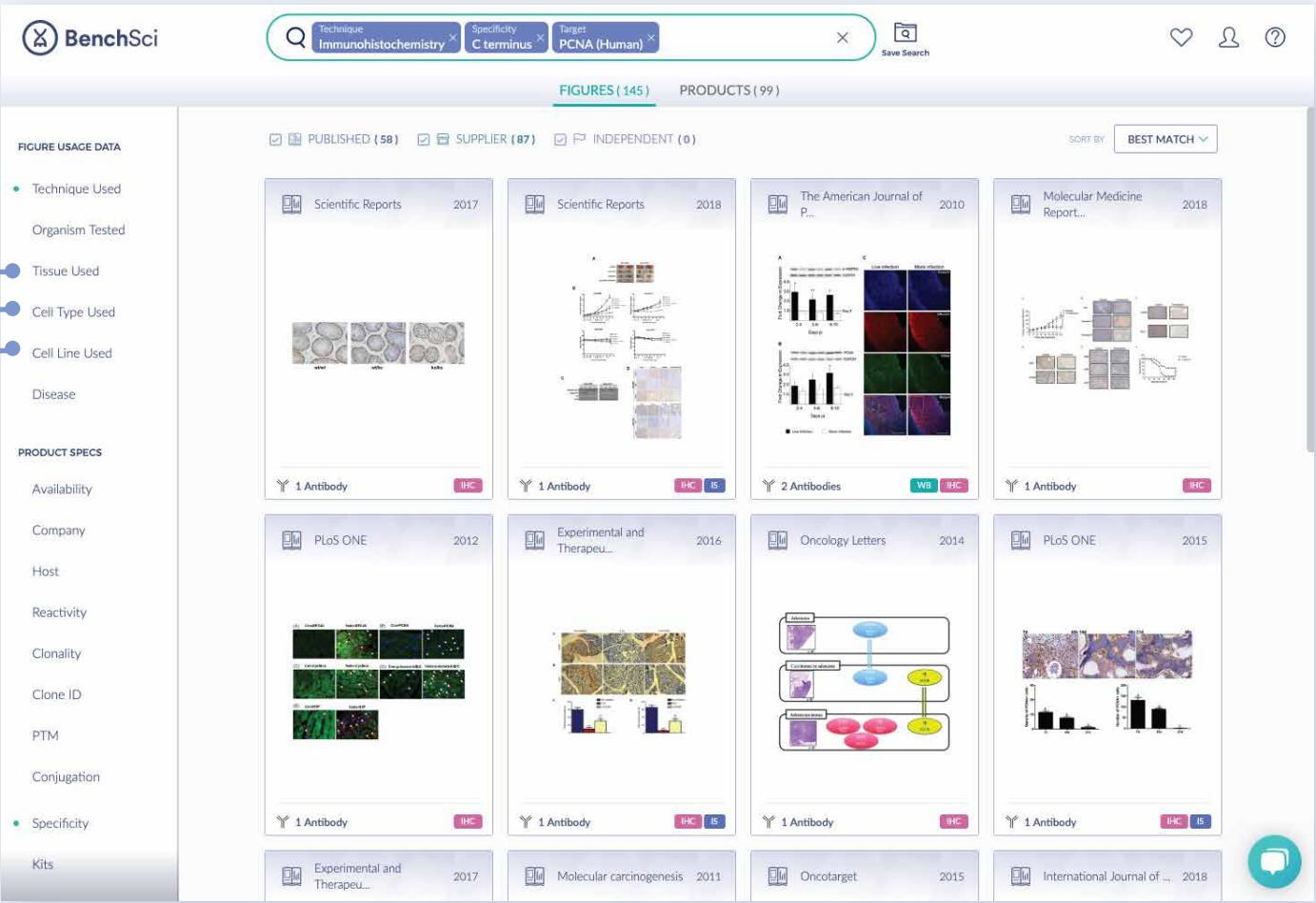Query the literature for the result of a specific experiment

Investigate target distribution in a particular tissue

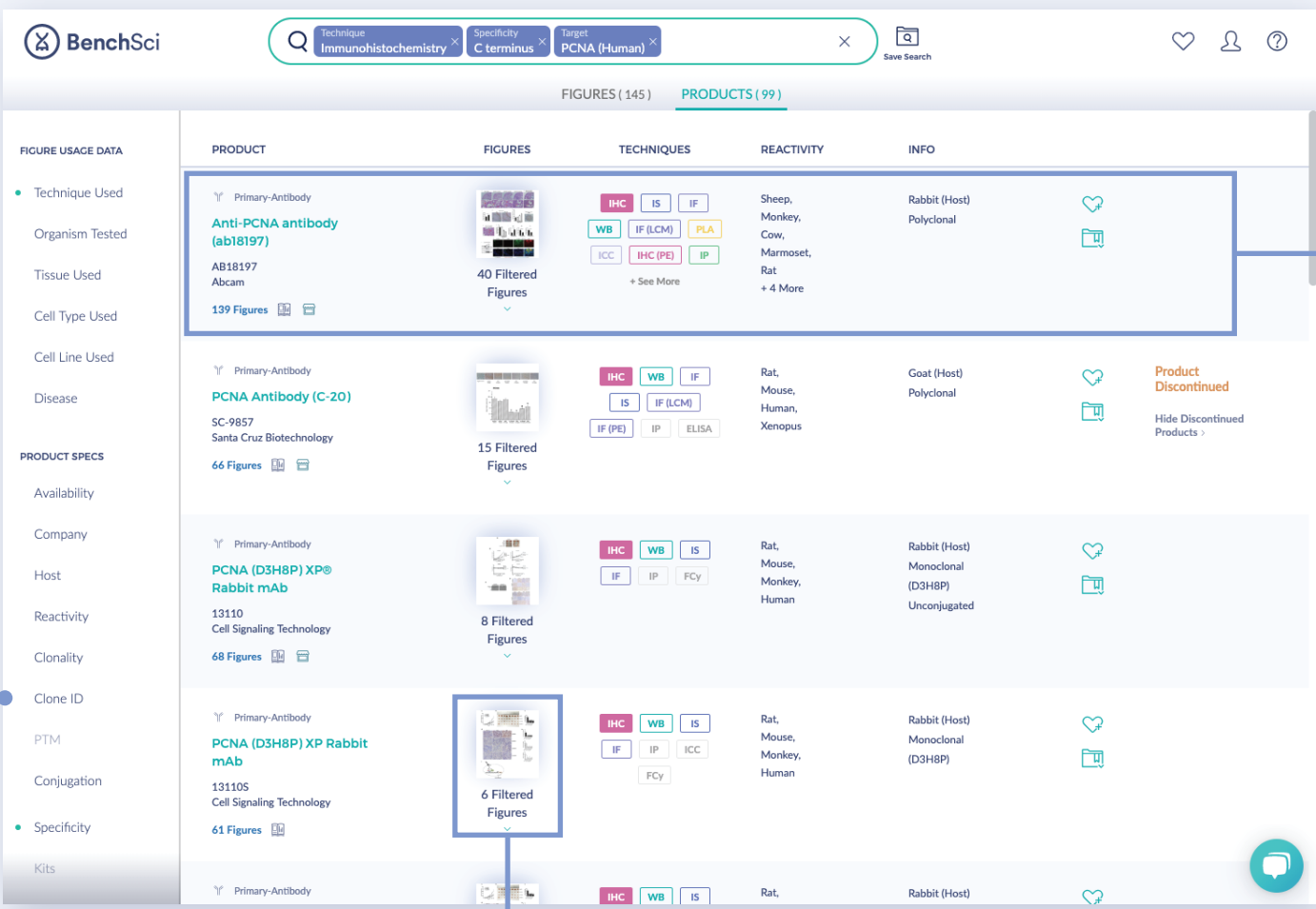Investigate protein localization in a particular cell type

2 Experimental design

Select the best antibody for your experiment by reviewing matching **figures** and **products**

Identify controls using trends in antibody usage

Identify a cell line, cell type, or tissue to use as a positive control in your experiment
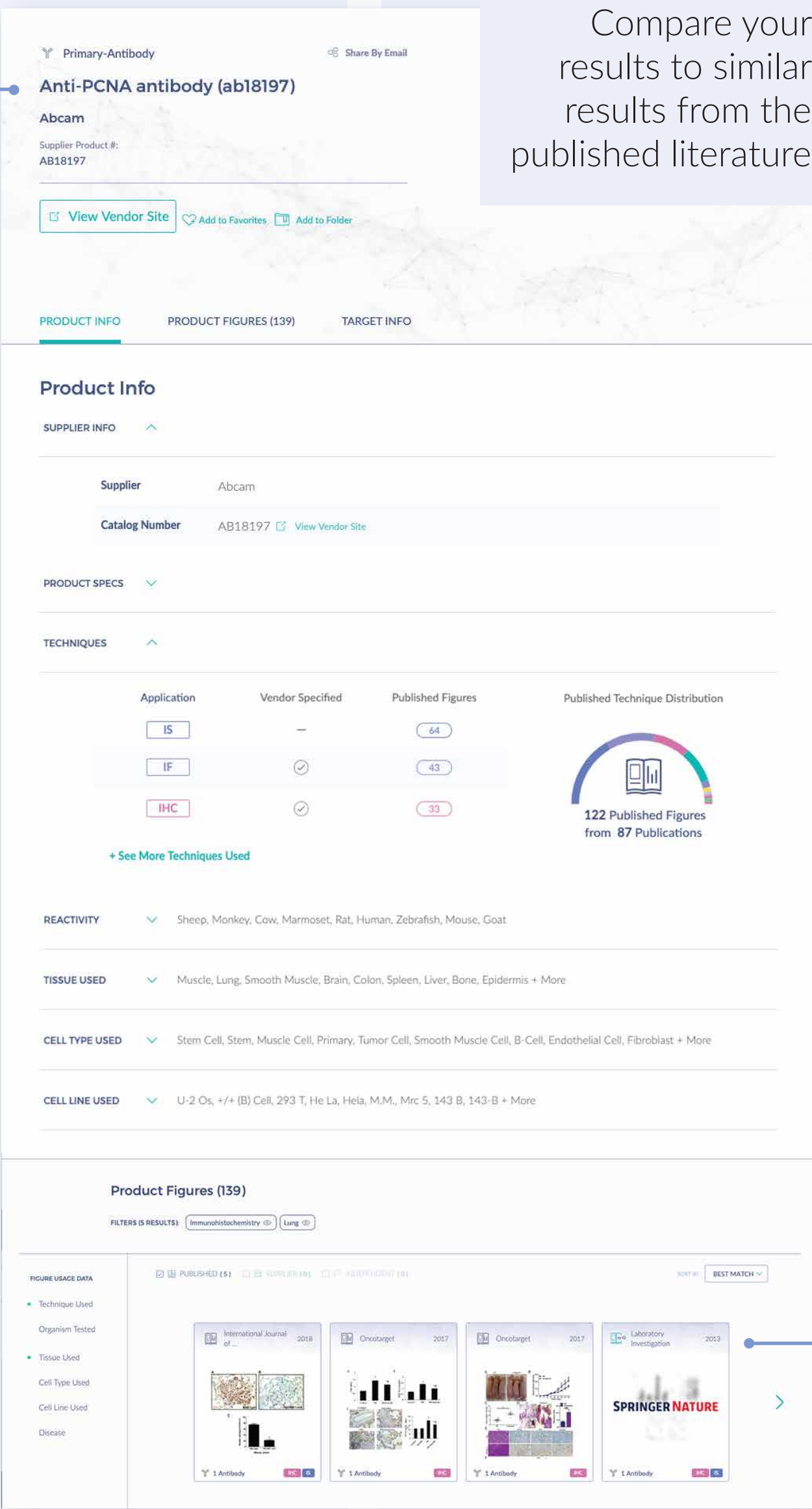
Identify the most commonly used clone ID for your protein

Products are ordered by the number of filtered figures and are unbiased and vendor agnostic

Review product information and usage across the literature

3 Benchmark your results

Compare your results to similar results from the published literature

Anti-PCNA antibody (ab18197)
Abcam

Join over 30,000 scientists and design better experiments with BenchSci today

BenchSci is the right step towards a better antibody selection process. Whenever we need antibodies, we start with BenchSci

Dr. Rimm
Professor, Yale

If you use antibodies for your research you need to know about @benchsci !!!

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support@benchsci.com