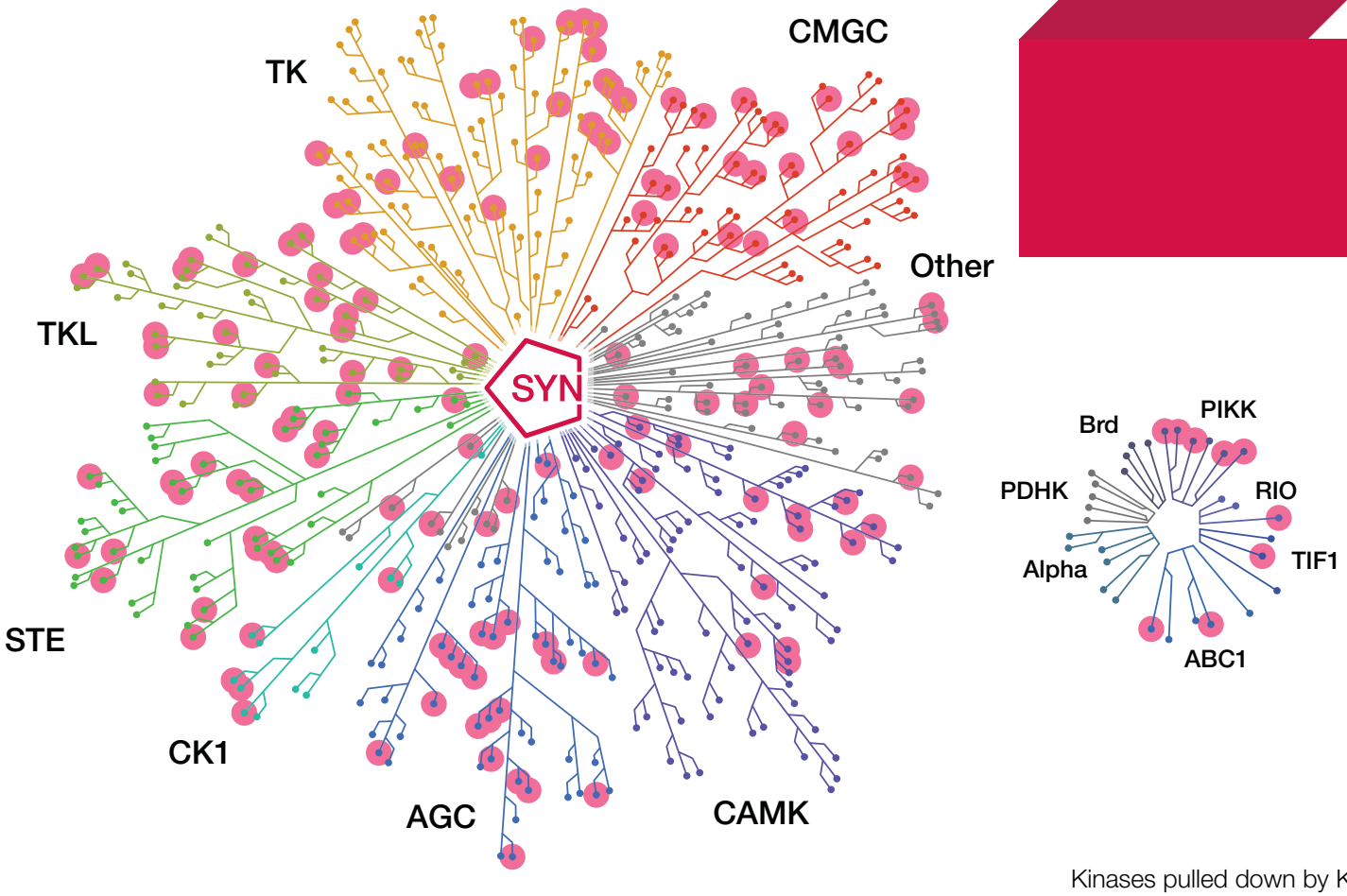
SYNkinase

KiNet-1

Pan-kinase Affinity Probe

SYN-4001

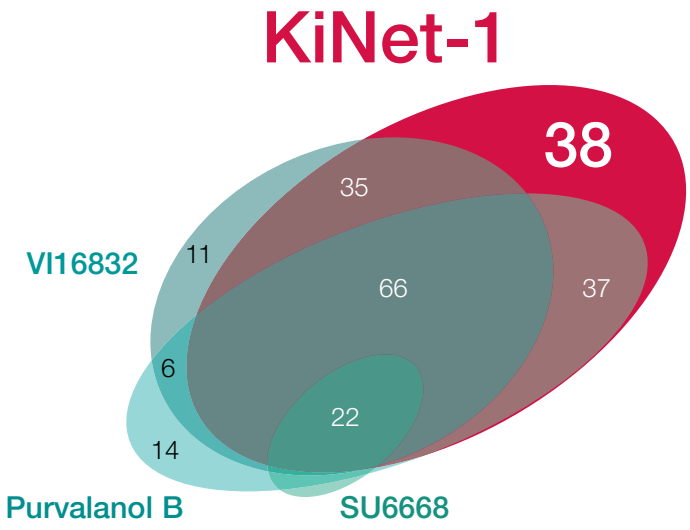


Kinases pulled down by KiNet-1

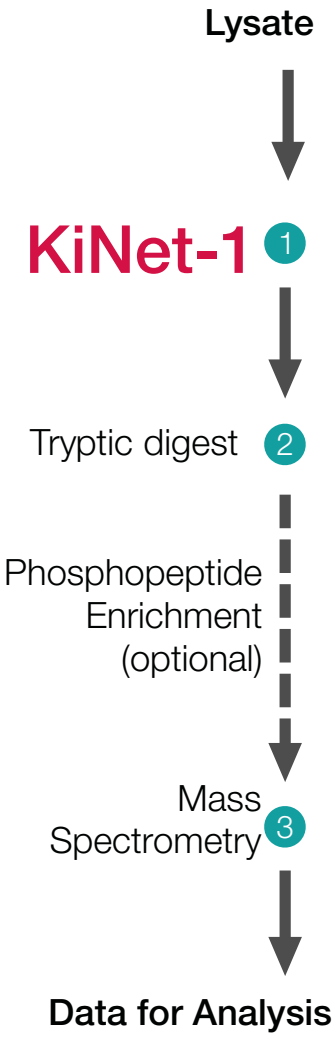
Available *exclusively* from SYNkinase

A revolutionary pan-kinase affinity probe that delivers unparalleled speed, efficiency and accuracy of data acquisition.

The unique pan-kinase affinity of KiNet-1 allows it to bind over 200[1] protein kinases for excellent coverage of the expressed kinome. Even when compared to the next-best compounds *combined*, KiNet-1 delivers vastly superior results.



The rapid KiNet-1 workflow builds on published protocols and streamlines interrogation of cell signalling pathways and the identification of novel therapeutic strategies.



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KiNet-1 Affinity Probe

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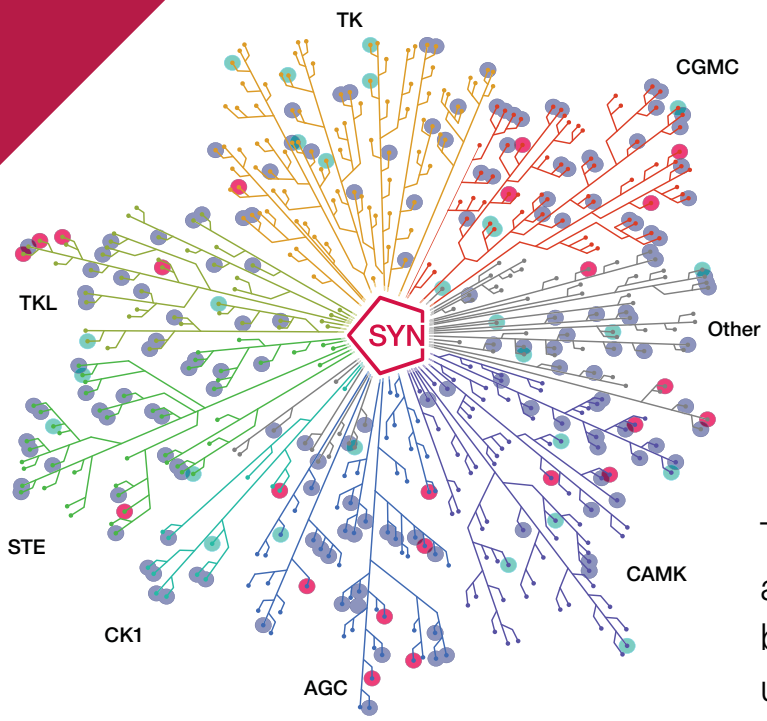
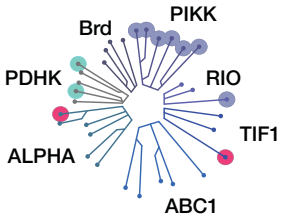
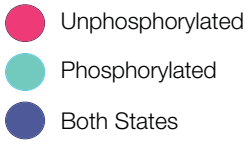
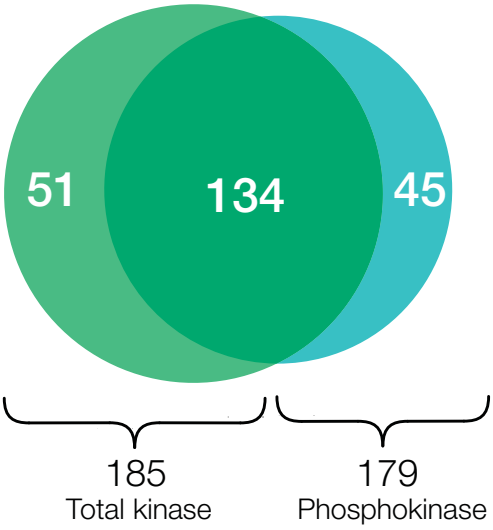


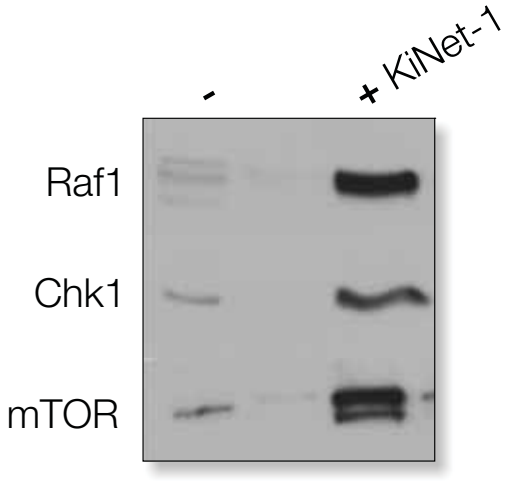




The optional TiO_2 enrichment step allows for accurate differentiation between phosphorylated and unphosphorylated and kinases.

Kinet-1's flexibility to be used as a Western blot pull-down reagent or a mass spec agent gives you the freedom to integrate KiNet-1 into a variety of work-flows. Thanks to its flexibility, KiNet-1 has been used to study everything from cancer in humans to macrophage activation in mice[2].





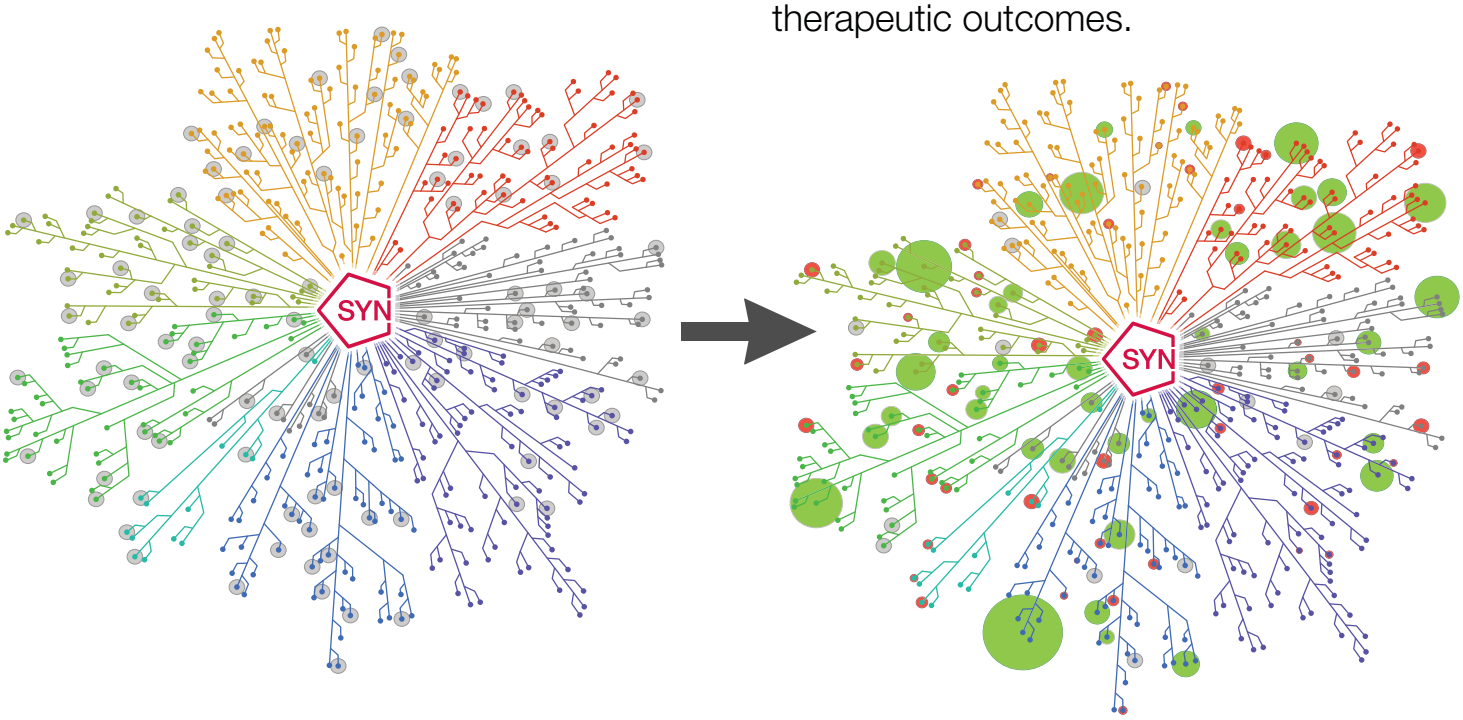
1. Zhang, Luxi, et al. "Characterization of the novel broad-spectrum kinase inhibitor CTx-0294885 as an affinity reagent for mass spectrometry-based kinome profiling." *Journal of Proteome Research* 12.7 (2013): 3104-3116.

2. Inflammation, Systems Biology and Personalised Medicine Divisions, Walter & Eliza Hall Institute of Medical Research (2014)

Investigate kinome reprogramming to enable rational design of novel therapeutic strategies.

Understanding this kinome reprogramming is essential to identifying signalling escape-pathways which can limit the clinical utility of a kinase inhibitor. KiNet-1 enables rational design of novel therapeutic strategies.

By quantitatively profiling kinases before and after treatment with an inhibitor (or any other agent), researchers can rapidly and accurately determine the resulting kinome reprogramming and identify adaptive responses which can limit therapeutic outcomes.



KiNet-1 (SYN-4001)
10 assays - $695.00 (USD)
20 assays - $995.00 (USD)
50 assays - $2,095.00 (USD)

KiNet-1 is available *exclusively* from SYNkinase.com

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