1. Kinase assay and trypsin digest

- + N6B-ATP

nuclear extract + as - Chk1

trypsin digest

2. Purification of thio-phosphopeptides

covalent binding of thio-phosphates to beads

stringent washes

specific elution and conversion

3. Identification of phospho-peptides by mass spectrometry

(b) (d) (g)

N6B-ATP

<table>
<thead>
<tr>
<th>S</th>
<th>P</th>
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<td>T</td>
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(c) (e)

- Sislo (168)
- Known in vivo (162)
- Substrates (171)
- DDR link (68)

(f) (g)

- P-value < 0.05
- Fold change