

# PE-04AGC99-P

## Abl1 (136-142) pY139 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Abl (Abl1)



**KINEXUS**

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### Target Protein

|                        |  |
|------------------------|--|
| <b>Name Long:</b>      | Abelson murine leukemia viral oncogene homologue 1   |
| <b>Name Alias:</b>     | Abelson murine leukemia viral oncogene 1; ABL; C-ABL; JTK7; P150; v-abl<br>Abelson murine leukemia viral oncogene 1; ENSG0000097007; Q13688;<br>Q13914; Q59FK4 |
| <b>Species Origin:</b> | Human  |
| <b>UniProt ID:</b>     | P00519   |

### Peptide Structure

|                                     |   |
|-------------------------------------|---|
| <b>Peptide Name:</b>                | Abl1 (136-142) pY139  |
| <b>Peptide Origin:</b>              | In the SH2 domain.  |
| <b>Peptide Sequence Location:</b>   | A136-S142   |
| <b>Peptide Sequence:</b>            | AAE(pY)LLS(bA)C   |
| <b>Peptide N-Terminus:</b>          | Free amino  |
| <b>Peptide C-Terminus:</b>          | Amide   |
| <b>Peptide Modifications Other:</b> | Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to<br>KLH or thio-agarose |

### Production

|                                   |  |
|-----------------------------------|--|
| <b>Peptide Production Method:</b> | Solid-phase peptide synthesis  |
| <b>Calculated Peptide Mass:</b>   | 1020.04  |
| <b>Observed Peptide Mass:</b>     | 1018.1   |
| <b>% Peptide Purity:</b>          | 100.0  |
| <b>Peptide Appearance:</b>        | White powder   |
| <b>Peptide Form:</b>              | Solid  |
| <b>Peptide Solubility:</b>        | Dissolve in 50 µl DMSO and dilute to desired concentration with water or<br>aqueous buffer |
| <b>Lot Number:</b>                | KMP04CAV-23  |
| <b>Amount:</b>                    | 1 mg   |
| <b>Storage Conditions:</b>        | Frozen at -20°C  |
| <b>Storage Stability:</b>         | Over 1 year at -20°C   |

### Applications

|                     |   |
|---------------------|---|
| <b>Product Use:</b> | Serves as a blocking peptide for use with the Abl1-pY139 rabbit polyclonal<br>antibody (Cat. No.: PK504) that is also available from Kinexus. This<br>phosphopeptide may also be useful as a substrate for screening the<br>phosphatase activity of protein phosphatases. |
|---------------------|---|

This product is for in vitro research use only and is not intended for use in humans or animals.

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