

AB-PN812

CFL1-pS3 Antibody

Phosphosite-specific rabbit polyclonal antibody for Cofilin 1 (CFL1). This phosphoserine-site antibody is selective for phosphoserine in the phosphosite.

Website: www.kinexus.ca
Email: info@kinexus.ca
Phone: 604-323-2547



Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Target Protein

| | |
|--------------------------------|--|
| Protein Name Long: | Cofilin-1 |
| Protein Alias: | CFL; COF1; Cofilin; Cofilin 1 (non-muscle); Cofilin, non-muscle isoform; Non-muscle isoform; P18 |
| UniProt ID: | P23528 |
| Protein Molecular Mass: | 18,502 Da (166 AA) |

Immunogen

| | |
|--|---|
| Antibody Immunogen Source: | Synthetic phosphopeptide patterned after human CFL1 |
| Antibody Immunogen Sequence: | MA(pS)GVAC |
| Antibody Immunogen Description: | Corresponds to amino acid residues M1 to A6. S3 phosphorylation has been reported to both inhibit and stimulate activity. This is one of the common <i>in vivo</i> phosphorylation site in cofilin-1 (≥ 72 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). Cofilin 1 is known to be phosphorylated at this site <i>in vitro</i> by LIMK1, and LIMK2. |
| Antibody Target Type: | Phosphosite-specific |

Production

| | |
|--------------------------------|---|
| Antibody Host Species: | Rabbit |
| Antibody Type: | Polyclonal |
| Antibody Isotype: | IgG |
| Production Method: | The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. |
| Amount: | 25 μ g |
| Antibody Concentration: | 1 mg/ml |
| Storage Buffer: | Phosphate buffered saline pH 7.4, 0.05% Thimerasol |
| Storage Conditions: | For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. |
| Storage Stability: | >2 years |

Applications

| | |
|---------------------------------------|--|
| Product Use: | Western blotting Antibody microarray |
| Antibody Dilution Recommended: | 2 µg/ml for immunoblotting |
| Antibody Species Reactivity: | Human Chimpanzee Rhesus macaque Rat Mouse Platypus Chicken Frog Zebra fish |

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

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987