



Cofilin

Catalog number

C7506-10C

Supplier

United States Biological

Cofilin belongs to the actin-binding ADF protein family. It contains one ADF-H domain. Cofilin controls reversible actin polymerization and depolymerization in a pH-sensitive manner. It has the ability to bind G- and F-actin at a 1:1 ratio. It is the major component of both intranuclear and cytoplasmic actin rods. It is involved in the translocation of the actin-cofilin complex from the cytoplasm to the nucleus. This protein is widely distributed in various tissues.

Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

Recommended Dilution

ELISA: 0.05-0.2ug/ml

Western Blot: 0.5-1ug/ml

Optimal dilutions to be determined by the researcher.

Storage and Stability

Lyophilized powder may be stored at -20°C. Stable for 12 months at -20°C. Reconstitute by adding sterile 40-50% glycerol, ddH₂O. Reconstituted product is stable for 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Synthetic peptide within residues 100-150 of human cofilin protein (Swiss Prot: P23528). (KLH coupled)

Formulation

Supplied as a lyophilized powder from PBS, pH 7.4, 0.02% sodium azide.

Purity

Purified by immunoaffinity chromatography.

Specificity

Recognizes endogenous levels of human cofilin protein. Species Crossreactivity: mouse. Species sequence homology: Cynomolgus monkey, sheep, porcine, and rat cofilin protein.

Product Type

Pab

Source

human

Isotype



IgG

Grade

Affinity Purified

Applications

E WB

Crossreactivity

Hu Mo

Storage

-20°C