Cofilin (Phospho Ser3) Rabbit pAb

CatalogNo: YP0070 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 19kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:10000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Cofilin around the phosphorylation site of Ser3. AA range:1-50

Specificity Phospho-Cofilin (S3) Polyclonal Antibody detects endogenous levels of Cofilin protein only when phosphorylated at S3.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):MAsGV

Target Information

Gene name CFL1

Protein Name Cofilin-1

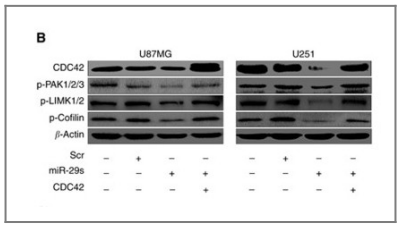
Organism	Gene ID	UniProt ID
Human	1072;	P23528;
Mouse	12631;	P18760;
Rat	29271;	P45592;

Cellular Localization Nucleus matrix . Cytoplasm , cytoskeleton . Cell projection , ruffle membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection , lamellipodium membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection , lamellipodium . Cell projection , growth cone . Cell projection , axon . Colocalizes with the actin cytoskeleton in membrane ruffles and lamellipodia. Detected at the cleavage furrow and contractile ring during cytokinesis. Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide.

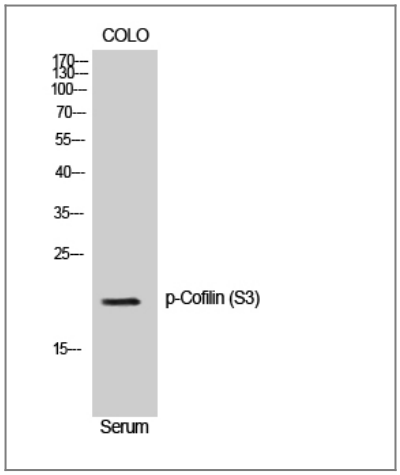
Tissue specificity Widely distributed in various tissues.

Function Function:Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. It has the ability to bind G- and F-actin in a 1:1 ratio of cofilin to actin. It is the major component of intranuclear and cytoplasmic actin rods. ,online information:Cofilin entry ,PTM:Phosphorylated on Ser-3 in resting cells. ,similarity:Belongs to the actin-binding proteins ADF family. ,similarity:Contains 1 ADF-H domain. ,subcellular location:Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide. ,tissue specificity:Widely distributed in various tissues. ,

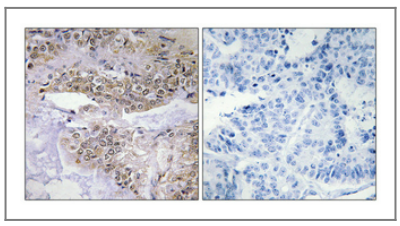
Validation Data



Shi, Cuijuan, et al. "miR-29a/b/c function as invasion suppressors for gliomas by targeting CDC42 and predict the prognosis of patients." British Journal of Cancer 117.7 (2017): 1036.



Western Blot analysis of NIH-3T3 cells using Phospho-Cofilin (S3) Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4℃ overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Contact information

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Please scan the QR code to access additional product information: **Cofilin (Phospho Ser3) Rabbit pAb**

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