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Datasheet for ABIN362442

## anti-Cofilin1/2 (CFL1/2) (pTyr88) antibody

### 1 Publication

#### Overview

Quantity:	100 µL
Target:	Cofilin1/2 (CFL1/2)
Binding Specificity:	pTyr88
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Immunohistochemistry (IHC)

#### Product Details

Immunogen:	Peptide sequence around phosphorylation site of pTyr88 (A-T-Y (p) -E-T) derived from Human cofilin1, cofilin2. Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.
Isotype:	IgG
Specificity:	The antibody detects endogenous level of cofilin1/cofilin2 only when phosphorylated at tyrosine 88.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

## Target Details

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Target:	Cofilin1/2 (CFL1/2)
Alternative Name:	cofilin1/cofilin2 ( <a href="#">CFL1/2 Products</a> )
Background:	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.
Molecular Weight:	19 kDa
UniProt:	<a href="#">Q9Y281</a>
Pathways:	<a href="#">Tube Formation</a> , <a href="#">CXCR4-mediated Signaling Events</a>

## Application Details

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Application Notes:	Western blotting: 1:500-1:1000 Immunohistochemistry: 1:50-1:100
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store at -20 °C for long term preservation (recommended). Store at 4 °C for short term use.

## Publications

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Product cited in:	Toribio, Brown, Novince, Marlow, Hernon, Lanigan, Hildreth, Werbeck, Shu, Lorch, Carlton, Foley, Boyaka, McCauley, Rosol: "The midregion, nuclear localization sequence, and C terminus of PTHrP regulate skeletal development, hematopoiesis, and survival in mice." in: <b>FASEB journal : official publication of the Federation of American Societies for Experimental Biology</b> , Vol. 24,
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Issue 6, pp. 1947-57, (2010) ([PubMed](#)).