

## 35-1724: Polyclonal Antibody to cofilin1/cofilin2 (Ab-88)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Polyclonal  |
| <b>Application :</b>           | WB,IHC,IF   |
| <b>Reactivity :</b>            | Human,Mouse,Rat   |
| <b>Gene :</b>                  | CFL1  |
| <b>Gene ID :</b>               | 1072  |
| <b>Uniprot ID :</b>            | P23528/ Q9Y281  |
| <b>Format :</b>                | Purified  |
| <b>Alternative Name :</b>      | Cofilin, non-muscle isoform 18 kDa phosphoprotein                                   |
| <b>Isotype :</b>               | Rabbit IgG  |
| <b>Immunogen Information :</b> | Peptide sequence around aa. 86~90 (A-T-Y-E-T) derived from Human cofilin1/cofilin2. |

### Description

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. Carlier, M. et al. (1999) J. Biol. Chem. 274, 33827-33830. Arber, S. et al. (1998) Nature 393, 805-809. Yang, N. et al. (1998) Nature 393, 809-812.

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 50 $\mu$ l / 100 $\mu$ l   |
| <b>Content :</b>           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| <b>Storage condition :</b> | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.                                |

### Application Note

Predicted MW: 19kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

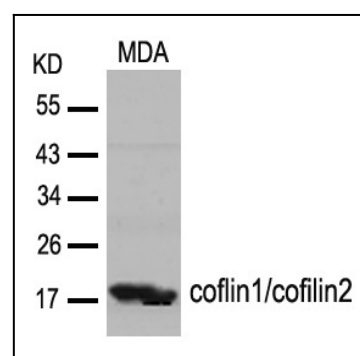


Figure 1: Western blot analysis of extracts from MDA cells using cofilin1/cofilin2(Ab-88) Antibody 35-1724 .

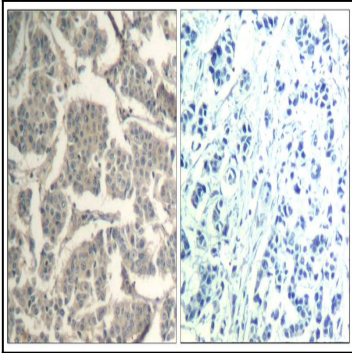


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using cofilin1/cofilin2(Ab-88) Antibody 35-1724 (left) or the same antibody preincubated with blocking peptide(right).

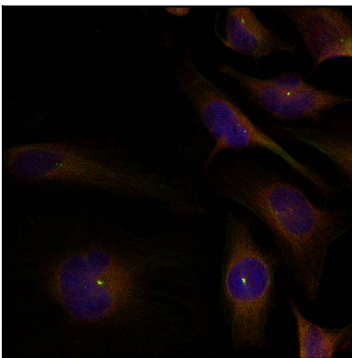


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using cofilin1/cofilin2(Ab-88) Antibody 35-1724 .