

## ACTN1/2/3/4 Blocking Peptide

| Catalog #                 | Source  | Reactivity       | Applications |
|---------------------------|---|------------------|--------------|
| CBP3466                   | Synthetic   | H, M, R, B, C, Z | BL           |
| <b>Description</b>        | The peptide is used to block Anti-ACTN1/2/3/4 Antibody (#CPA3466) reactivity.   |                  |              |
| <b>Form</b>               | Lyophilized powder  |                  |              |
| <b>Gene Symbol</b>        | ACTN1; ACTN2; ACTN3; ACTN4  |                  |              |
| <b>Alternative Names</b>  | ACTN1; Alpha-actinin-1; Alpha-actinin cytoskeletal isoform; F-actin cross-linking protein; Non-muscle alpha-actinin-1; ACTN2; Alpha-actinin-2; Alpha-actinin skeletal muscle isoform 2; F-actin cross-linking protein; ACTN3; Alpha-actinin-3; Alpha-actinin sk |                  |              |
| <b>Entrez Gene</b>        | 87; 88; 89; 81 (Human); 109711; 11472; 11474; 60595 (Mouse); 81634; 63836 (Rat)   |                  |              |
| <b>SwissProt</b>          | P12814; P35609; Q08043; O43707 (Human); Q7TPR4; Q9JI91; O88990; P57780 (Mouse); Q9Z1P2; Q9QXQ0 (Rat)  |                  |              |
| <b>Purity</b>             | >85%  |                  |              |
| <b>Quality Control</b>    | The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.   |                  |              |
| <b>Directions for Use</b> | Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4°C for overnight or at room temperature for 2 hours.   |                  |              |
| <b>Storage/Stability</b>  | Shipped at 4°C. Store at -20°C for one year.  |                  |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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