

## Product datasheet for **AP17167PU-N**

### Calponin (CNN1) (N-term) Rabbit Polyclonal Antibody

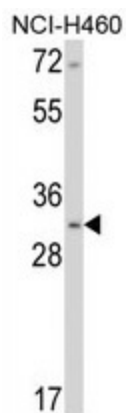
#### Product data:

|                       |                                                                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:         | Primary Antibodies                                                                                                                                                                                                                                                                               |
| Applications:         | WB                                                                                                                                                                                                                                                                                               |
| Recommended Dilution: | Western blot. 1:50 - 1:100.<br>ELISA:                                                                                                                                                                                                                                                            |
| Reactivity:           | Human                                                                                                                                                                                                                                                                                            |
| Host:                 | Rabbit                                                                                                                                                                                                                                                                                           |
| Clonality:            | Polyclonal                                                                                                                                                                                                                                                                                       |
| Immunogen:            | KLH conjugated synthetic peptide selected from the N-terminal region of human Calponin-1                                                                                                                                                                                                         |
| Specificity:          | This antibody detects Calponin-1 at N-term.                                                                                                                                                                                                                                                      |
| Formulation:          | PBS with 0.39% (W/V) sodium azide<br>State: Liquid Ig fraction                                                                                                                                                                                                                                   |
| Concentration:        | lot specific                                                                                                                                                                                                                                                                                     |
| Purification:         | Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS                                                                                                                                                                                                      |
| Conjugation:          | Unconjugated                                                                                                                                                                                                                                                                                     |
| Storage:              | Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.                                                                                                                                                                       |
| Stability:            | Shelf life: one year from despatch.                                                                                                                                                                                                                                                              |
| Gene Name:            | calponin 1                                                                                                                                                                                                                                                                                       |
| Database Link:        | <a href="#">Entrez Gene 1264 Human P51911</a>                                                                                                                                                                                                                                                    |
| Background:           | Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity (By similarity). |
| Synonyms:             | Calponin H1, Basic calponin, CNN1                                                                                                                                                                                                                                                                |
| Note:                 | Molecular weight: 33170 Da                                                                                                                                                                                                                                                                       |



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## Product images:



Western blot analysis of Calponin-1 Antibody (N-term) in NCI-H460 cell line lysates (35 ug/lane). CNN1 (arrow) was detected using the purified Pab.