

## Product datasheet for **AP01154PU-S**

### CCN3 (NOV) Rabbit Polyclonal Antibody

#### Product data:

|                        |  |
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| Product Type:          | Primary Antibodies   |
| Applications:          | ELISA, IHC, WB   |
| Recommended Dilution:  | <b>Indirect ELISA:</b> To detect hNOV by (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antibody in conjunction with compatible secondary reagents, it allows the detection of at least 0.2-0.4 ng/well of recombinant hNOV.<br><b>Sandwich ELISA:</b> To detect hNOV (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. In conjunction with Biotinylated Anti-Human NOV (AP01154BT-S or AP01154BT-N) as a detection antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant hNOV.<br><b>Western blot:</b> To detect hNOV this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hNOV is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.<br><b>Immunohistochemistry on Formalin-Fixed, Paraffin Sections:</b> 0.25-0.50 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended.<br><i>Positive Control:</i> Human breast invasive ductal carcinoma. |
| Reactivity:            | Human  |
| Host:                  | Rabbit   |
| Clonality:             | Polyclonal   |
| Immunogen:             | Highly pure (> 98%) recombinant Human NOV  |
| Specificity:           | This antibody detects NOV.   |
| Formulation:           | PBS, pH 7.2<br>State: Aff - Purified<br>State: Lyophilized (sterile filtered) Ig fraction  |
| Reconstitution Method: | Restore in sterile water to a concentration of 0.1-1.0 mg/ml.  |
| Purification:          | Immunoaffinity Chromatography  |
| Conjugation:           | Unconjugated   |



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| <b>Storage:</b>       | Store the lyophilized antibody at -20°C.<br>Following reconstitution it is stable for two weeks at 2-8°C. Frozen aliquots are stable for 6 months when stored at -20°C.<br>Avoid repeated freezing and thawing.  |
| <b>Stability:</b>     | Shelf life: One year from despatch.  |
| <b>Gene Name:</b>     | nephroblastoma overexpressed   |
| <b>Database Link:</b> | <a href="#">Entrez Gene 4856 Human P48745</a>  |
| <b>Background:</b>    | CCN3 is a cysteine-rich protein that is overexpressed in avian nephroblastomas. It is a member of the CCN family of proteins that includes CTGF. These proteins are encoded by a group of genes known as immediate-early genes, so named because they are expressed after induction by growth factors or certain oncogenes. The proteins share several common structural motifs: a consensus sequence present in IGF (insulin-like growth factor)-binding proteins (the IGFBP motif), an oligomeric complex-forming domain first identified in von Willebrand factor, a binding domain to soluble and matrix molecules and a dimerization (CT) domain. All CCN family members are thought to be involved in the control of cell proliferation. |
| <b>Synonyms:</b>      | CCN3, IGFBP9, NOVH, NovH   |
| <b>Note:</b>          | Centrifuge vial prior to opening.  |