

## Human Pappalysin 2 ELISA Kit | PAPPA2 elisa kit

Human Pappalysin 2 ELISA Kit

CATALOG #  
**AAA16201**

REACTIVITY  
**Human**

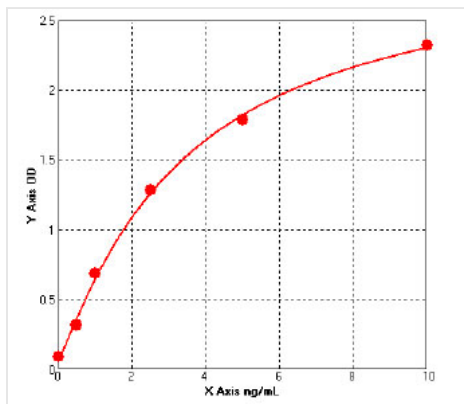
### PRODUCT SYNONYMS

Pappalysin 2; Human Pappalysin 2 ELISA Kit; PAPPA2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of PAPPA2. No significant cross-reactivity or interference between PAPPA2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PAPPA2 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                     |
| Assay Type              | Quantitative Competitive or Sandwich                                                                                                                                                                                                                                                                                                                                                           |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PAPPA2 elisa kit | <p>Intended Uses: This PAPPA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PAPPA2. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: PAPPA2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PAPPA2. Standards or samples are then added to the microtiter plate wells and PAPPA2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PAPPA2 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PAPPA2 are added to each well to "sandwich" the PAPPA2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PAPPA2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAPPA2 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for PAPPA2 elisa kit   | Cardiovascular                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 116174738                                                                                                               |
| NCBI GeneID                      | 60676                                                                                                                   |
| NCBI Accession #                 | NP_064714.2                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_020318.2                                                                                                             |
| Molecular Weight                 | 92,136 Da                                                                                                               |
| NCBI Official Full Name          | pappalysin-2 isoform 1                                                                                                  |
| NCBI Official Synonym Full Names | pappalysin 2                                                                                                            |
| NCBI Official Symbol             | PAPPA2                                                                                                                  |
| NCBI Official Synonym Symbols    | PAPPE; PLAC3; PAPP-E; PAPP-A2                                                                                           |
| NCBI Protein Information         | pappalysin-2; placenta-specific 3; pregnancy-associated plasma protein E1; pregnancy-associated plasma preproprotein-A2 |
| UniProt Protein Name             | Pappalysin-2                                                                                                            |
| UniProt Gene Name                | PAPPA2                                                                                                                  |
| UniProt Synonym Gene Names       | PLAC3; PAPP-A2; PAPP-E                                                                                                  |
| UniProt Entry Name               | PAPP2_HUMAN                                                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/pappa2-human-elisa-kits/pappalysin-2/16201>