

## Rabbit anti-Human PEPD Polyclonal Antibody | anti-PEPD antibody

PEPD Antibody

|                               |                       |                            |                                                           |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA308664</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|

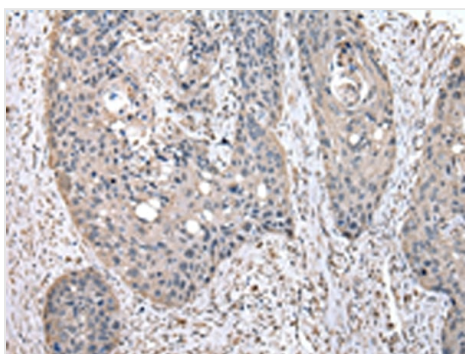
### PRODUCT SYNONYMS

PEPD; Polyclonal Antibody; PEPD Antibody; PROLIDASE; anti-PEPD antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                 |
|------------------------------------------------|-----------------------------------------------------------------|
| Host                                           | Rabbit                                                          |
| Reactivity                                     | Human                                                           |
| Clonality                                      | Polyclonal                                                      |
| Specificity                                    | The antibody detects endogenous levels of total PEPD protein.   |
| Purity/Purification                            | Antigen Affinity Purification                                   |
| Form/Format                                    | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol. |
| Concentration                                  | 1 mg/ml (varies by lot)                                         |
| Sequence Length                                | 493                                                             |
| Applicable Applications for anti-PEPD antibody | IHC (Immunohistochemistry), WB (Western Blot)                   |
| Immunogen                                      | Fusion protein of human PEPD                                    |
| Immunogen Type                                 | Protein                                                         |
| Preparation and Storage                        | Store at -20 degree C                                           |

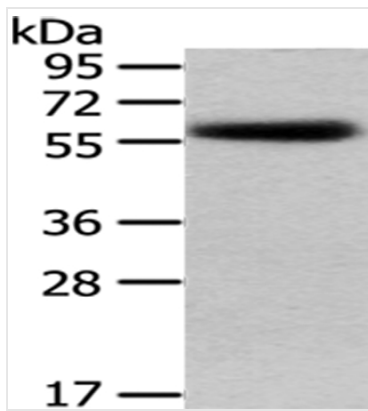
### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using at dilution 1/20.


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human prostate cancer tissue using at dilution 1/20.



#### WB (Western Blot)

Gel: 8%SDS-PAGE Lysate: 40 &#956; g Lane: Human placenta tissue Primary antibody: 1/400 dilution Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution Exposure time: 10 seconds

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PEPD antibody | This gene encodes a member of the peptidase family. The protein forms a homodimer that hydrolyzes dipeptides or tripeptides with C-terminal proline or hydroxyproline residues. The enzyme serves an important role in the recycling of proline, and may be rate limiting for the production of collagen. Mutations in this gene result in prolidase deficiency, which is characterized by the excretion of large amount of di- and tri-peptides containing proline. |
| Product Categories/Family for anti-PEPD antibody   | <a href="#">Total protein Ab</a>                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 149589008                                                                                                                                                                                                                                               |
| NCBI GeneID                      | 5184                                                                                                                                                                                                                                                    |
| NCBI Accession #                 | <a href="#">NP_000276.2</a>                                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000285.3</a>                                                                                                                                                                                                                             |
| UniProt Accession #              | <a href="#">P12955</a> ; <a href="#">Q8TBN9</a> ; <a href="#">Q9BT75</a> ; <a href="#">A8K3Z1</a> ; <a href="#">A8K416</a> ; <a href="#">A8K696</a> ; <a href="#">A8MX47</a> ; <a href="#">B4DDB7</a> ; <a href="#">B4DGJ1</a> ; <a href="#">E9PCE8</a> |
| Molecular Weight                 | 47,261 Da                                                                                                                                                                                                                                               |
| NCBI Official Full Name          | xaa-Pro dipeptidase isoform 1                                                                                                                                                                                                                           |
| NCBI Official Synonym Full Names | peptidase D                                                                                                                                                                                                                                             |
| NCBI Official Symbol             | PEPD                                                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | PROLIDASE                                                                                                                                                                                                                                               |
| NCBI Protein Information         | xaa-Pro dipeptidase                                                                                                                                                                                                                                     |
| UniProt Protein Name             | Xaa-Pro dipeptidase                                                                                                                                                                                                                                     |
| UniProt Gene Name                | <b>PEPD</b>                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | PRD; X-Pro dipeptidase; Prolidase                                                                                                                                                                                                                       |
| UniProt Entry Name               | PEPD_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/polyclonal/pepd-antibody-immunohistochemistry-western-blot-elisa/308664>