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# Product datasheet for TA501655S

## PEPD Mouse Monoclonal Antibody [Clone ID: OTI5D5]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI5D5 |
| **Applications:** | FC, IHC, WB |
| **Recommended Dilution:** | WB: 1:200 - 1:1000, FLOW 1:100 |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Full length human recombinant protein of human PEPD (NP_000276) produced in HEK293T cell. |
| **Formulation:** | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration:** | 0.81 mg/ml |
| **Purification:** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 54.4 kDa |
| **Gene Name:** | peptidase D |
| **Database Link:** | NP_000276<br>Entrez Gene 18624 MouseEntrez Gene 292808 RatEntrez Gene 5184 Human<br>P12955 |
| **Background:** | 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. Multiple transcript variants encoding different isoforms have been found for this gene. |

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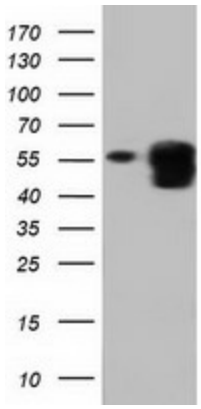
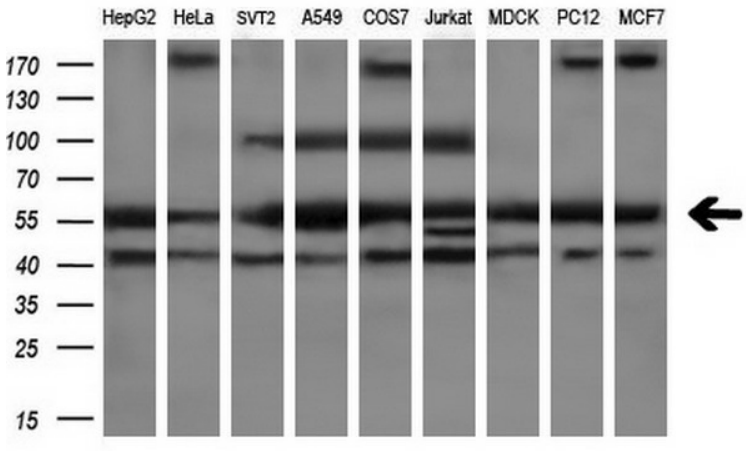
**Synonyms:** PROLIDASE

**Protein Families:** Druggable Genome, Protease

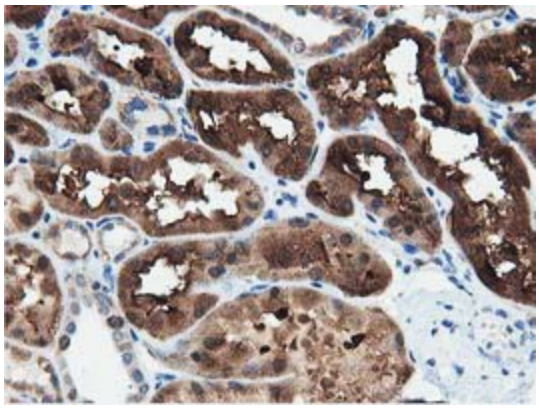
## Product images:



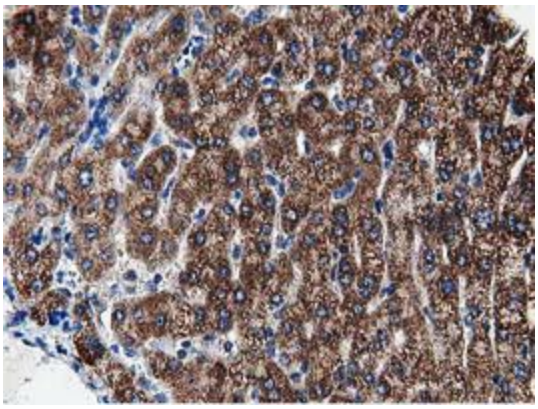

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PEPD (Cat# [RC201970], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PEPD(Cat# [TA501655]). Positive lysates [LY424818] (100ug) and [LC424818] (20ug) can be purchased separately from OriGene.



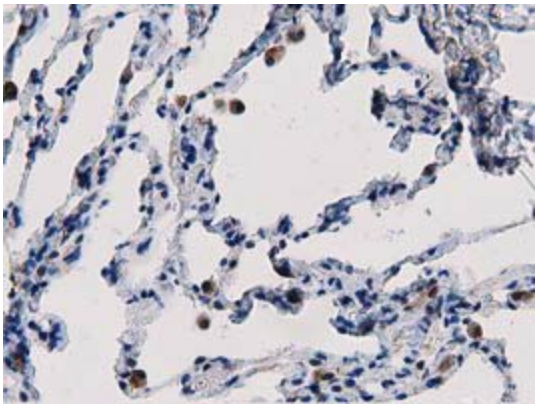

Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PEPD monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



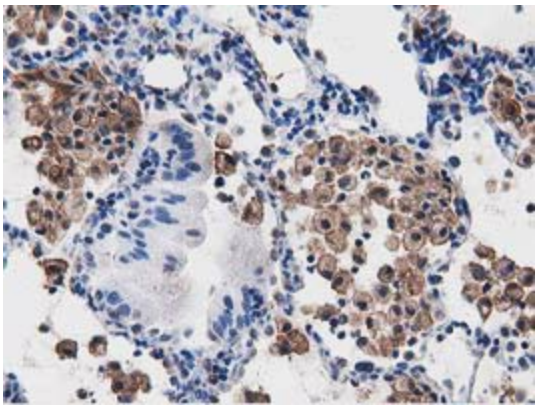
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-PEPD mouse monoclonal antibody. ([TA501655])



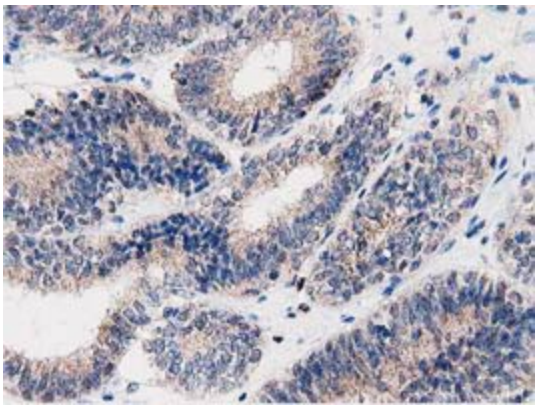
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-PEPD mouse monoclonal antibody. ([TA501655])



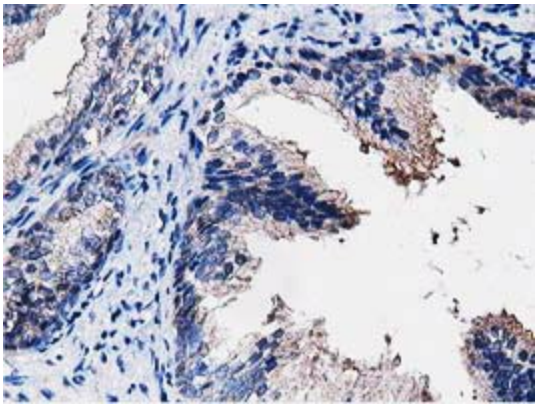
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-PEPD mouse monoclonal antibody. ([TA501655])



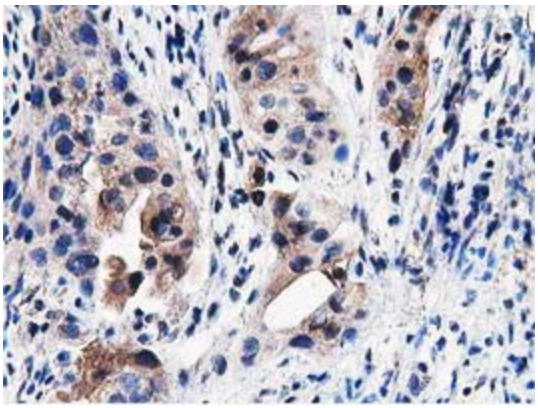
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-PEPD mouse monoclonal antibody. ([TA501655])



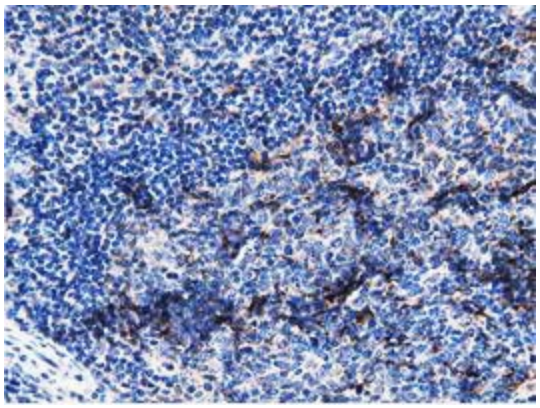
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PEPD mouse monoclonal antibody. ([TA501655])



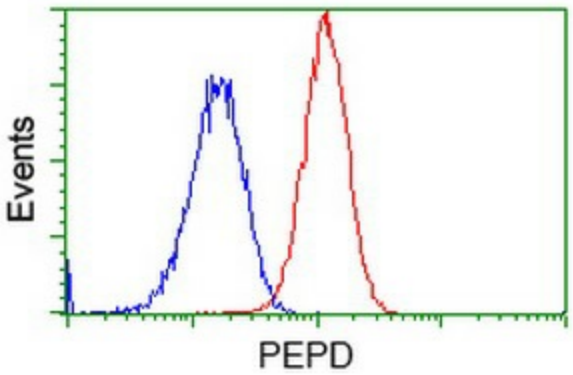
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-PEPD mouse monoclonal antibody. ([TA501655])



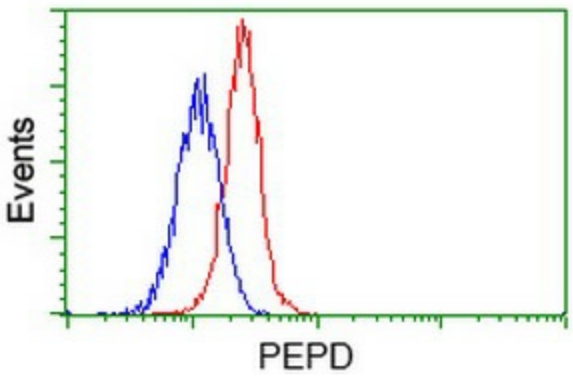
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-PEPD mouse monoclonal antibody. ([TA501655])



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-PEPD mouse monoclonal antibody. ([TA501655])




Flow cytometric Analysis of Hela cells, using anti-PEPD antibody ([TA501655]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).




Flow cytometric Analysis of Jurkat cells, using anti-PEPD antibody ([TA501655]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).