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Product datasheet for TA501727M

PEPD Mouse Monoclonal Antibody [Clone ID: OTI1B7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1B7
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, 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:	0.62 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 Entrez Gene 18624 MouseEntrez Gene 292808 RatEntrez Gene 5184 Human 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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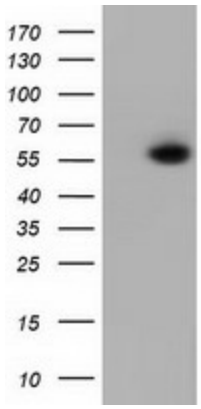
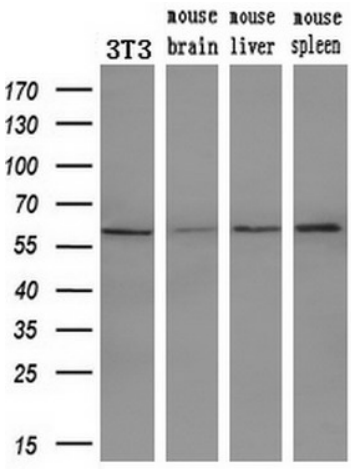
Synonyms: PROLIDASE

Protein Families: Druggable Genome, Protease

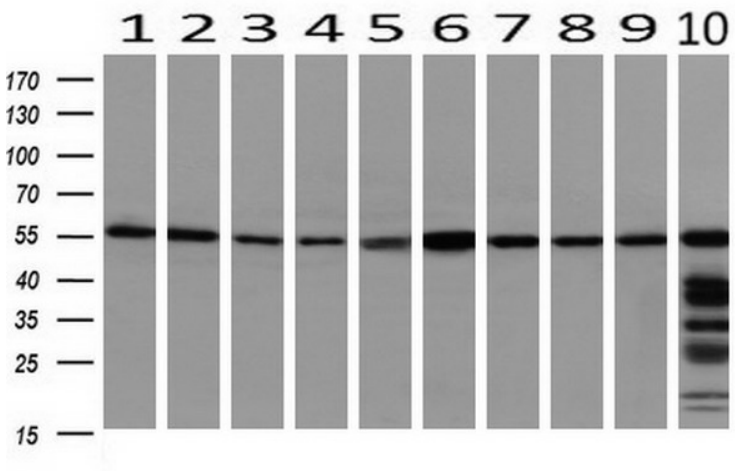
Product images:



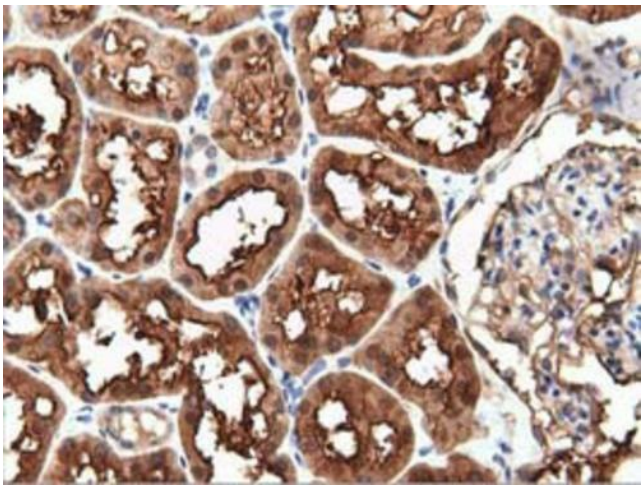
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PEPD ([RC201970], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PEPD. Positive lysates [LY424818] (100ug) and [LC424818]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



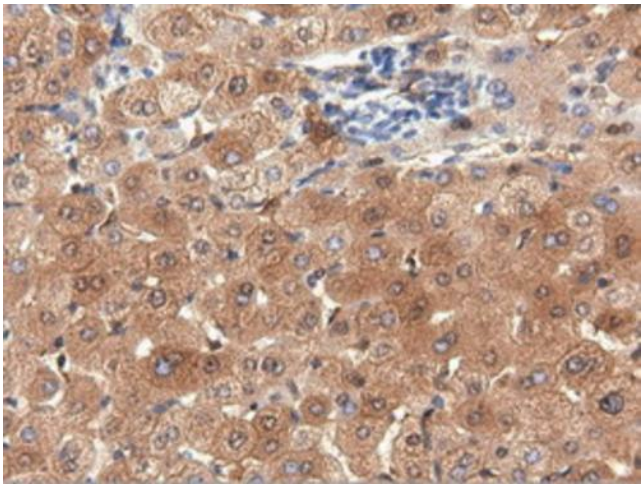
Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-PEPD monoclonal antibody (1:200).



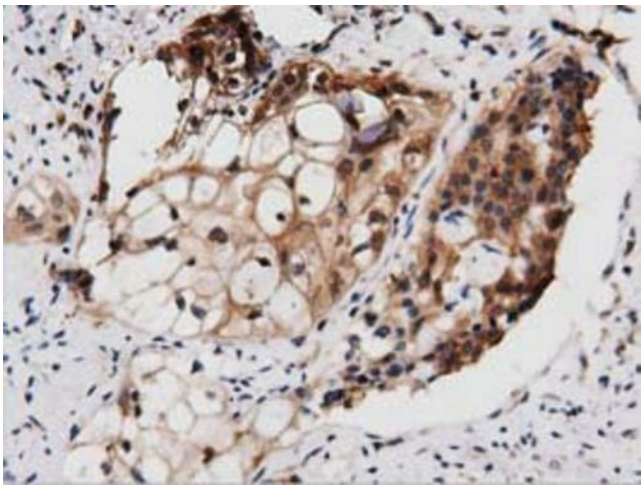
Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-PEPD monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon;10: spleen).



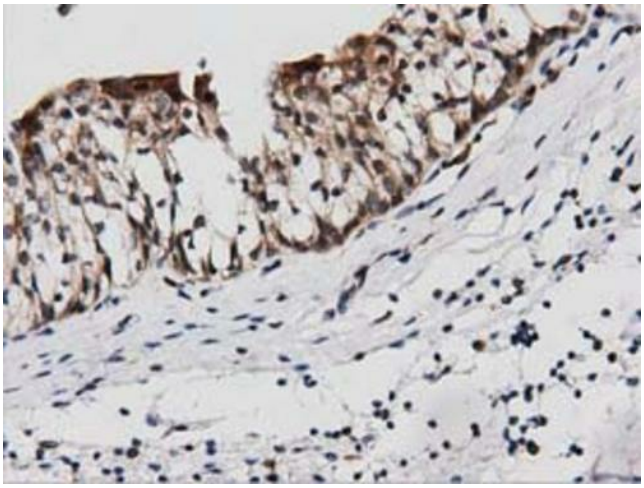
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-PEPD mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



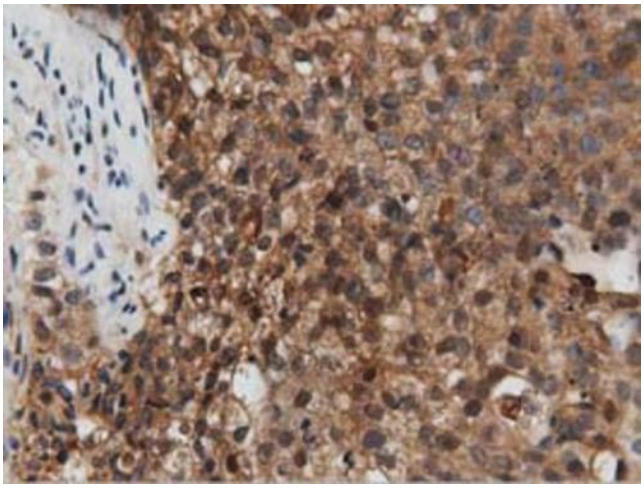
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-PEPD mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



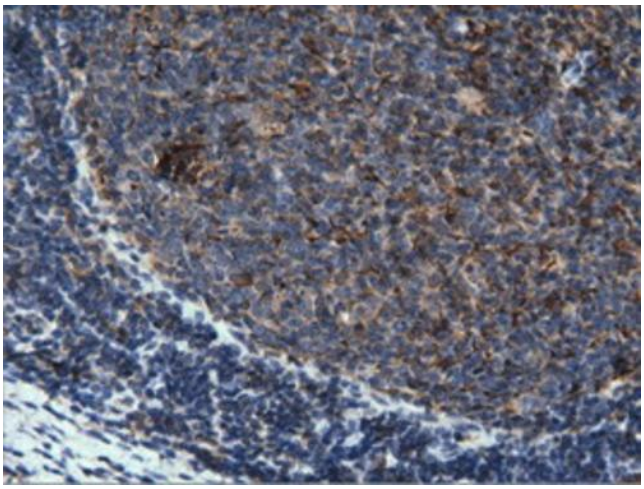
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-PEPD mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



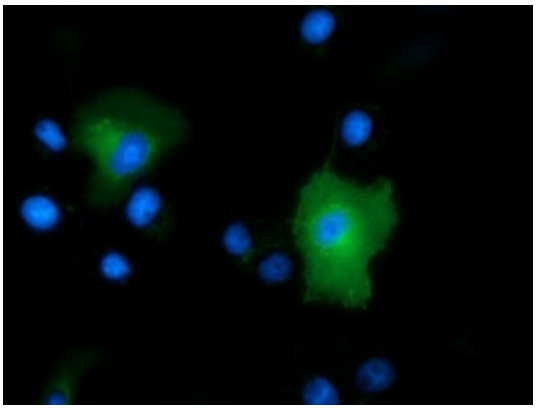
Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-PEPD mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



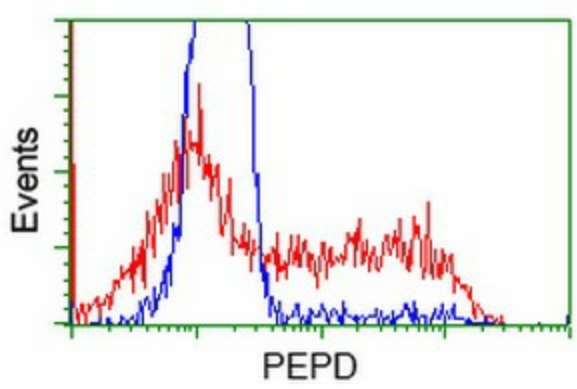
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-PEPD mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-PEPD mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-PEPD mouse monoclonal antibody ([TA501727]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PEPD ([RC201970]).



HEK293T cells transfected with either [RC201970] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PEPD antibody ([TA501727]), and then analyzed by flow cytometry.