

# Product datasheet

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ARG40800 anti-PEPD antibody

Package: 100 μl Store at: -20°C

### **Summary**

Product Description Rabbit Polyclonal antibody recognizes PEPD

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name PEPD

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 288-424 of Human PEPD (NP\_000276.2).

Conjugation Un-conjugated

Alternate Names Peptidase D; X-Pro dipeptidase; Imidodipeptidase; EC 3.4.13.9; Prolidase; Xaa-Pro dipeptidase; Proline

dipeptidase; PROLIDASE

## **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat kidney	
Observed Size	60 kDa	

#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol PEPD

Gene Full Name peptidase D

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

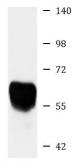
isoforms have been found for this gene.[provided by RefSeq, Oct 2009]

Function Splits dipeptides with a prolyl or hydroxyprolyl residue in the C-terminal position. Plays an important

role in collagen metabolism because the high level of iminoacids in collagen. [UniProt]

Calculated Mw 55 kDa

#### **Images**



#### ARG40800 anti-PEPD antibody WB image

Western blot: 25  $\mu g$  of Rat kidney lysate stained with ARG40800 anti-PEPD antibody at 1:1000 dilution.

Rat kidney