

## PEPD

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**54kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human PEPD

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

PROLIDASE;

**Catalog #:**A5416

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5184

**Isotype:**IgG

**Swiss Prot:**P12955

**Purity:**Affinity purification

For research use only.

**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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