

Anti-PEPD antibody

Cat. No.	ml225914
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-PEPD rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human PEPD
Reactivity	Human, Mouse, Rat
Content	1.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	PEPD
Full name	peptidase D

Synonyms PROLIDASE

Swissprot P12955

Target 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.

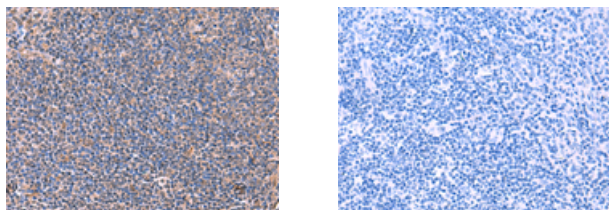
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human tonsil

Recommended dilution: 50-300



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml225914(PEPD Antibody) at dilution 1/70, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 55 kDa

Positive control: Mouse small intestines tissue lysate

Recommended dilution: 1000-5000

Gel: 8%SDS-PAGE

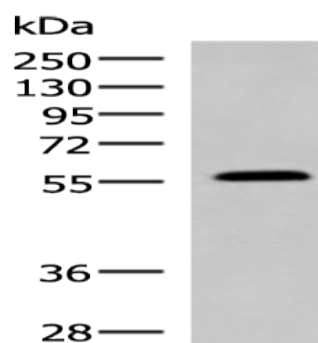
Lysate: 40 μ g

Lane: Mouse small intestines tissue lysate

Primary antibody: ml225914(PEPD Antibody) at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

Exposure time: 20 seconds



ELISA

Recommended dilution: 5000-10000

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