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PEPD Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22203b

Specification

PEPD Antibody (C-Term) - Product Information

Application	**WB,E**
Primary Accession	P12955
Other Accession	Q11136, Q5RFB3, Q5I0D7
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**54548**

PEPD Antibody (C-Term) - Additional Information

Gene ID 5184

Other Names
Xaa-Pro dipeptidase, X-Pro dipeptidase, 3.4.13.9, Imidodipeptidase, Peptidase D, Proline dipeptidase, Prolidase, PEPD, PRD

Target/Specificity
This PEPD antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 364-398 amino acids from human PEPD.

Dilution
WB~~1:2000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PEPD Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PEPD Antibody (C-Term) - Protein Information

Name PEPD {ECO:0000303|PubMed:8198124, ECO:0000312|HGNC:HGNC:8840}

Function Dipeptidase that catalyzes the hydrolysis of dipeptides with a prolyl (Xaa-Pro) or

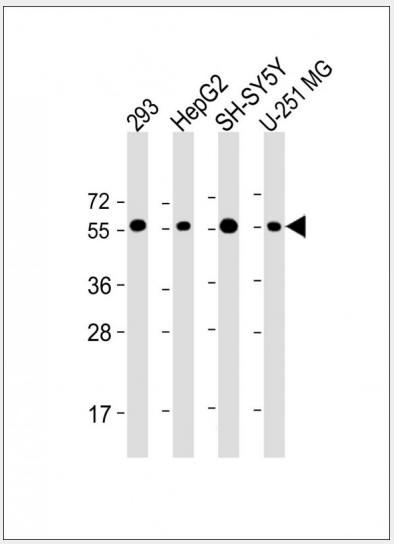
hydroxyprolyl residue in the C-terminal position (PubMed:17081196, PubMed:35165443). The preferred dipeptide substrate is Gly-Pro, but other Xaa-Pro dipeptides, such as Ala-Pro, Met-Pro, Phe-Pro, Val-Pro and Leu-Pro, can be cleaved (PubMed:17081196). Plays an important role in collagen metabolism because the high level of iminoacids in collagen (PubMed:2925654).

PEPD Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PEPD Antibody (C-Term) - Images



All lanes : Anti-PEPD Antibody (C-Term) at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: SH-SY5Y whole cell lysate Lane 4: U-251 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PEPD Antibody (C-Term) - Background

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.

PEPD Antibody (C-Term) - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Harris R.A.,et al.Proteomics 2:212-223(2002).

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