

Datasheet for ABIN2786507
anti-PEPD antibody (Middle Region)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	100 µL
Target:	PEPD
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Cow, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEPD antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PEPD
Sequence:	LGAVFMPHGL GHFLGIDVHD VGGYPEGVER IDEPGLRSLR TARHLQPGMV
Predicted Reactivity:	Cow: 92%, Dog: 100%, Goat: 79%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against PEPD. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PEPD
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Target Details

Alternative Name:	PEPD (PEPD Products)
Background:	<p>Xaa-Pro dipeptidase is a cytosolic dipeptidase that hydrolyzes dipeptides with proline or hydroxyproline at the carboxy terminus (but not Pro-Pro). It is important in collagen metabolism because of the high levels of iminoacids. Xaa-Pro dipeptidase is a cytosolic dipeptidase that hydrolyzes dipeptides with proline or hydroxyproline at the carboxy terminus (but not Pro-Pro). It is important in collagen metabolism because of the high levels of iminoacids. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-74 DC395475.1 1-74 75-101 DC385464.1 1-27 102-2018 BC015027.1 1-1917</p> <p>Alias Symbols: MGC10905, PROLIDASE</p> <p>Protein Interaction Partner: USP7, SUMO1, NDRG1, NAMPT, DPP3, CTSA, MVD, EIF6, GSR, GNS, GLS, GBP2, EIF5A, EIF4E, DLD, CASP7, CAPN1, ASS1, NHLRC2, LDHAL6B, FTO, BCCIP, CNBP2, GINS2, GDA, KYNU, RPS6KA1, SPP1, UBC, ATXN1, CUL2, TERF1, PEPD,</p> <p>Protein Size: 493</p>
Molecular Weight:	54 kDa
Gene ID:	5184
NCBI Accession:	NM_000285 , NP_000276
UniProt:	P12955

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 493 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: Molecular systems biology , Vol. 3, pp. 89, (2007) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-PEPD Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Human Placenta