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PRD Antibody

Rabbit mAb
Catalog # AP93032

Product Information

Application	WB
Primary Accession	P12955
Reactivity	Human
Clonality	Monoclonal
Other Names	Pep4; pepD; Peptidase 4; Peptidase D; Prolidase; Proline dipeptidase; X pro dipeptidase;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	54548

Additional Information

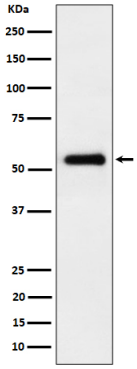
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PRD
Description	Splits dipeptides with a prolyl or hydroxyprolyl residue in the C-terminal position. Plays an important role in collagen metabolism because the high level of iminoacids in collagen.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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).

Images

Western blot analysis of PRD expression in HepG2 cell lysate.



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