

KD-Validated Anti-Peptidase D Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1264

Product Information

Application	WB, FC, ICC
Primary Accession	P12955
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 2830
Calculated MW	54548
Gene Name	PEPD
Aliases	PEPD; Peptidase D; Xaa-Pro Dipeptidase; Imidodipeptidase; Proline Dipeptidase; X-Pro Dipeptidase; Prolidase; Testicular Tissue Protein Li 138; Aminoacyl-L-Proline Hydrolase; EC 3.4.13.9; PROLIDASE; PRD
Immunogen	A synthesized peptide derived from human PRD

Additional Information

Gene ID	5184
Other Names	Xaa-Pro dipeptidase, X-Pro dipeptidase, 3.4.13.9, Imidodipeptidase, Peptidase D, Proline dipeptidase, Prolidase, PEPD {ECO:0000303 PubMed:8198124, ECO:0000312 HGNC:HGNC:8840}

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).

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