



Anti-PEPD (full length) polyclonal antibody (DPAB-DC2214)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 proline 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.[provided by RefSeq, Oct 2009]
Immunogen	PEPD (AAH15027, 1 a.a. ~ 493 a.a) full-length recombinant protein with GST tag. The sequence is MAAATGPSFWLGNETLKVPLALFALNRQRLCERLRKNPAVQAGSIVVLQGGEETQRYCTD TGVLFQRQESFFHWAFGVAEPGCYGVVDVDTGKSTLFVPRLPASHATWMGKIHSKEHFKEK YAVDDVQYVDEIASVLTSQEPSVLLTLRGVNTDSGSVCREASFDGISKFEVNNILHPEI VECRVFKTDMELEVLRYTNKISSEAHREVMKAVKVGMMKEYELESLEFHYCYSRGGMRHSS YTCICGSGENSAVLHYGHAGAPNDRTIQNGDMCLFDMGGEYYCFASDITCSFPANGKFTA DQKAVYEAVLRSSRAVMGAMKPGVWWPDMHRLADRIHLEELAHMGILSGSVDAMVQAHLG AVFMPHGLGHFLGIDVHDVGGYPEGVERIDEPLRSLRTARHLQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PEPD peptidase D [Homo sapiens (human)]
Official Symbol	PEPD
Synonyms	PEPD; peptidase D; PROLIDASE; xaa-Pro dipeptidase; imidodipeptidase; X-Pro dipeptidase; proline dipeptidase; aminoacyl-L-proline hydrolase;
Entrez Gene ID	5184
Protein Refseq	NP_000276
UniProt ID	P12955
Chromosome Location	19q13.11
Function	aminopeptidase activity; dipeptidase activity; manganese ion binding; metallocarboxypeptidase activity