

Mouse anti-Human PEPD Monoclonal Antibody | anti-PEPD antibody

PEPD (Xaa-Pro Dipeptidase, X-Pro Dipeptidase, Proline Dipeptidase, Prolidase, Imidodipeptidase, Peptidase D, PRD, MGC10905) (HRP)

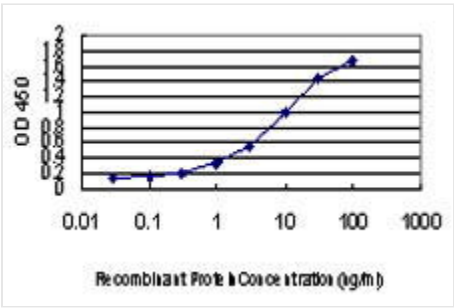
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25490	Mouse	Human	ELISA, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

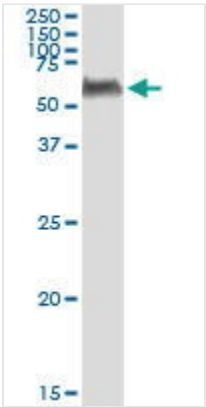
PEPD; Monoclonal Antibody; PEPD (Xaa-Pro Dipeptidase; X-Pro Dipeptidase; Proline Dipeptidase; Prolidase; Imidodipeptidase; Peptidase D; PRD; MGC10905) (HRP); anti-PEPD antibody

PRODUCT SPECIFICATIONS

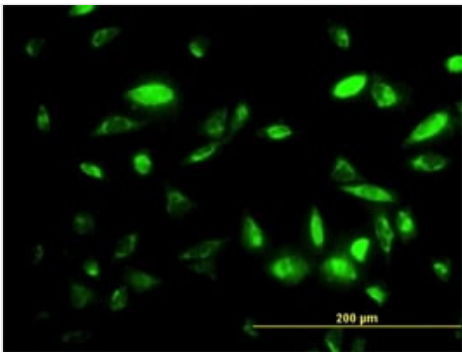
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1D5-H3
Specificity	Recognizes human PEPD.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Sequence Length	1917
Applicable Applications for anti-PEPD antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-494 from human PEPD (AAH15027) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAAATGPSFWLGNETLKVPLALFALNRQLCERLRKNPAVQAGSIVLQGGEETQRYCTDTGVLFRQESFFHWAFGVAEPGCYGVIDVDTGKSTLFVPR
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor



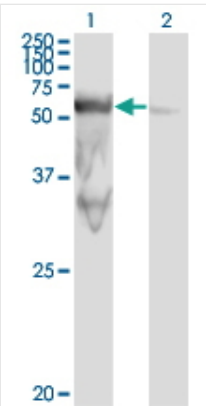
Application Data
Detection limit for recombinant GST tagged PEPD is ~0.1ng/ml as a capture antibody.



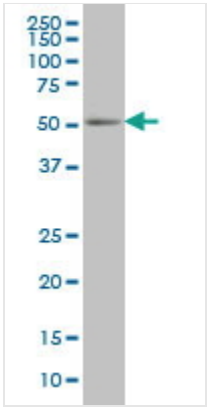
IP (Immunoprecipitation)
Immunoprecipitation of PEPD transfected lysate using PEPD monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PEPD rabbit polyclonal antibody.



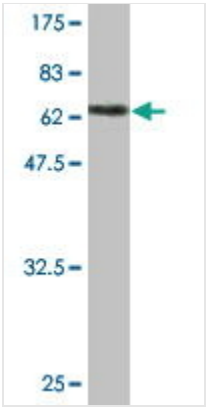
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PEPD on HepG2 cell. [antibody concentration 10ug/ml]



WB (Western Blot)
Western Blot analysis of PEPD expression in transfected 293T cell line by PEPD monoclonal antibody. Lane 1: PEPD transfected lysate (Predicted MW: 54.6kD). Lane 2: Non-transfected lysate



WB (Western Blot)
PEPD monoclonal antibody Western Blot analysis of PEPD expression in HepG2.



WB (Western Blot)
Western Blot detection against Immunogen (79.97kD).

ADDITIONAL INFORMATION

Related Product Information for anti-PEPD antibody	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.
Product Categories/Family for anti-PEPD antibody	Antibodies; Enzymes; Peptidase

NCBI AND UNIPROT INFORMATION

NCBI GI #	15929142
NCBI GeneID	5184
NCBI Official Full Name	Homo sapiens peptidase D, mRNA
NCBI Official Synonym Full Names	peptidase D
NCBI Official Symbol	PEPD
NCBI Official Synonym Symbols	PROLIDASE
NCBI Protein Information	xaa-Pro dipeptidase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pepd-antibody-clone-1d5-h3-immunoprecipitation-western-blot-elisa/25490>