

Mouse anti-Human PEPD Monoclonal Antibody

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

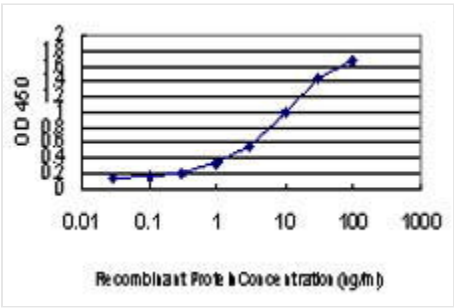
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24073	Mouse	Human	ELISA, Western Blot, Immunoprecipitation, Immunofluorescence

PRODUCT SYNONYMS

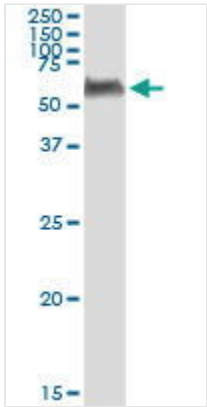
PEPD; Monoclonal Antibody; PEPD (Xaa-Pro Dipeptidase; X-Pro Dipeptidase; Proline Dipeptidase; Prolidase; Imidodipeptidase; Peptidase D; PRD; MGC10905); Anti-PEPD (Xaa-Pro Dipeptidase; anti-PEPD antibody)

PRODUCT SPECIFICATIONS

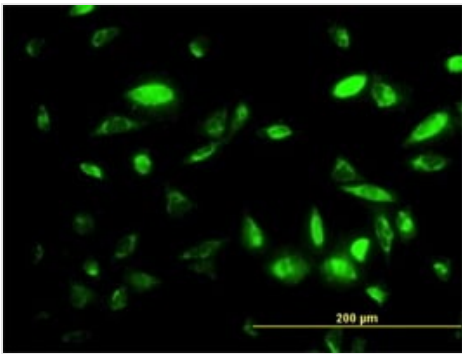
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1D5-H3
Specificity	Recognizes human PEPD.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	MAAATGPSFW LGNETLKVPL ALFALNRQRL CERLRKNPAV QAGSIVVLQG GEETQRYCTD TGVLFQRQESF FHWAFGVAEP GCGYVIDVDT GKSTLFPVRL PASHATWMGK IHSKEHFKEK YAVDDVQYVD EIASVLTSQE PSVLLTLRGV NTDSGSVCRE ASFDGISKFE VNNTILHPEI VECRVFKTDM ELEVLRITNK ISSEAHREVM KAVKVGMEY ELESLEFYHC YSRGGMRHSS YTCICGSGEN SAVLHYGHAG APNDRTIQNG DMCLFDMGGE YYCFASDITC SFPANGKFTA DQKAVYEAVL RSSRAVMGAM KPGVWWPDMH RLADRIHLEE LAHMGILSGS VDAMVQAHLG AVFMPHGLGH FLGIDVHDVG GYPEGVERID EPGLRSLRTA RHLQPGMVLV VEPGIYFIDH LLDEALADPA RASFLNREVL QRFRGFGGVR IEEDVVVTDS GIELLTCVPR TVEEIEACMA GCDKAFTPFPS GPK
Applicable Applications for anti-PEPD antibody	ELISA, WB (Western Blot), IP (Immunoprecipitation), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA, Western Blot and Immunoprecipitation. Dilution: Immunofluorescence: 10ug/ml
Immunogen	Full length recombinant corresponding to aa1-494 from human PEPD (AAH15027) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



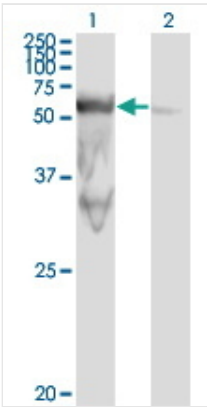
Application Data
Detection limit for recombinant GST tagged PEPD is ~0.1ng/ml as a capture antibody.



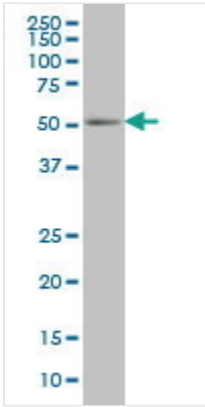
IP (Immunoprecipitation)
Immunoprecipitation of PEPD transfected lysate using PEPD monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PEPD rabbit polyclonal antibody.



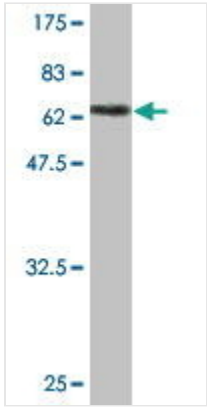
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PEPD on HepG2 cell. [antibody concentration 10ug/ml]



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; Abs to Enzymes; Peptidase

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456299
NCBI Official Full Name	PEPD

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://www.aaabiotech.com/monoclonal/pepd-antibody-clone-1d5-h3-western-blot-immunoprecipitation-immunofluorescence-elisa/24073>