

PEPD Monoclonal antibody

Catalog Number: 67202-1-Ig **1 Publications**

Basic Information

Catalog Number: 67202-1-Ig	GenBank Accession Number: BC015027	Purification Method: Protein G purification
Size: 2100 µg/ml	GeneID (NCBI): 5184	CloneNo.: 1H2A1
Source: Mouse	UNIPROT ID: P12955	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:250-1:1000
Isotype: IgG1	Full Name: peptidase D	
Immunogen Catalog Number: AG28713	Calculated MW: 493 aa, 55 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : LNCaP cells, HEK-293 cells, human placenta tissue, NCCIT cells, HeLa cells, Jurkat cells
Species Specificity: Human	IHC : human breast cancer tissue,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PEPD, also named as PRD, Prolidase, X-Pro dipeptidase, Imidodipeptidase, Peptidase D and Proline dipeptidase, belongs to the peptidase M24B family and Eukaryotic-type prolidase subfamily. PEPD splits dipeptides with a prolyl or hydroxyprolyl residue in the C-terminal position. It plays an important role in collagen metabolism because the high level of iminoacids in collagen. Defects in PEPD are a cause of prolidase deficiency (PD). PEPD is considered as the most promising candidate genes for altering AAA risk, based on gene function, association evidence, gene expression, and protein expression. (PMID:21247474)

Notable Publications

Author	Pubmed ID	Journal	Application
Jie Chen	34976977	Front Bioeng Biotechnol	WB

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

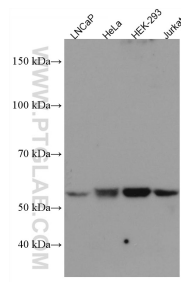
T: 4006900926

E: Proteintech-CN@ptglab.com

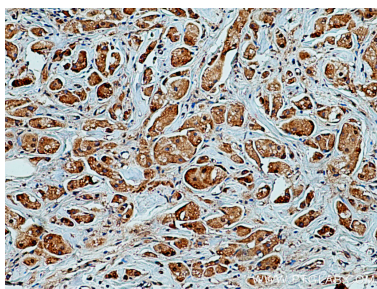
W: ptgcn.com

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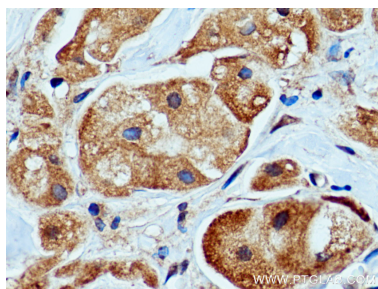
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67202-1-Ig (PEPD antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67202-1-Ig (PEPD antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67202-1-Ig (PEPD antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).