

For Research Use Only

PHEX Monoclonal antibody, PBS Only



Catalog Number: 66934-1-PBS

Basic Information

Catalog Number:

66934-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG20290

GenBank Accession Number:

BC105059

GeneID (NCBI):

5251

UNIPROT ID:

P78562

Full Name:

phosphate regulating endopeptidase homolog, X-linked

Calculated MW:

749 aa, 86 kDa

Observed MW:

86-100 kDa

Purification Method:

Protein A purification

CloneNo.:

1D4B2

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

Human, Rat, Pig

Background Information

PHEX encodes a transmembrane endopeptidase that belongs to the type II integral membrane zinc-dependent endopeptidase family. The protein usually expressed in osteocytes, osteoblasts and odontoblasts, and it was thought to be involved in bone and dentin mineralization and renal phosphate reabsorption (PMID:28982589). Otherwise, studies showed that PHEX transcripts were identified in human osteosarcoma-derived cells and in differentiated mouse osteoblasts, but not in immature mouse preosteoblasts, indicating the stage-specific expression of the protein (PMID:9199999). Defects in PHEX are responsible for X-linked hypophosphatemic rickets (HYP) (PMID:22339660). Glycosylation of proteins results in higher molecular weight, and about 95-100 kDa band were reported (PMID:25128529; PMID:18728349).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

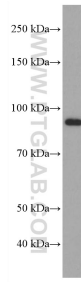
T: 4006900926

E: Proteintech-CN@ptglab.com

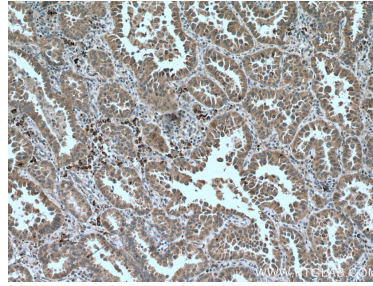
W: ptgcn.com

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Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 66934-1-Ig (PHEX antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66934-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66934-1-Ig (PHEX antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66934-1-PBS in a different storage buffer formulation.