

For Research Use Only

Vitamin D binding protein Polyclonal antibody

Catalog Number: 16922-1-AP

12 Publications



Basic Information

Catalog Number:

16922-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10286

GenBank Accession Number:

BC057228

GeneID (NCBI):

2638

UNIPROT ID:

P02774

Full Name:

group-specific component (vitamin D binding protein)

Calculated MW:

474 aa, 53 kDa

Observed MW:

52-58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, chicken

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human blood tissue, human blood, rat eye tissue, mouse eye tissue, PC-3 cells, human plasma, mouse testis tissue

IHC : human liver tissue, human normal colon

Background Information

Vitamin D binding protein is a sparsely glycosylated serum protein responsible for highly specific binding and tissue-specific delivery of vitamin D and its metabolites. In addition, it is also an actin scavenger, and is the precursor to the immunomodulatory protein, Gc-MAF. Vitamin D binding protein has been proposed to have significant roles in C5a chemotaxis, osteoclast development and possibly in macrophage activation/recruitment.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------------|-----------|---------------------------|-------------|
| Manish Kumar Yadav | 36284768 | Mol Ther Methods Clin Dev | WB |
| Yang Lu | 26791873 | Proteomics | |
| Yichen Guo | 28656274 | Mol Med Rep | WB,IHC |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

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:

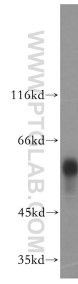
T: 4006900926

E: Proteintech-CN@ptglab.com

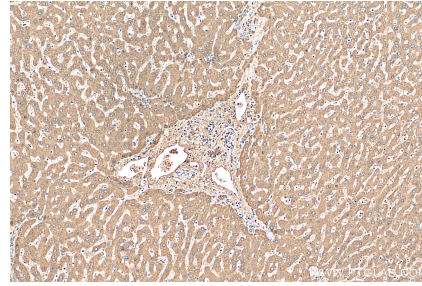
W: ptgcn.com

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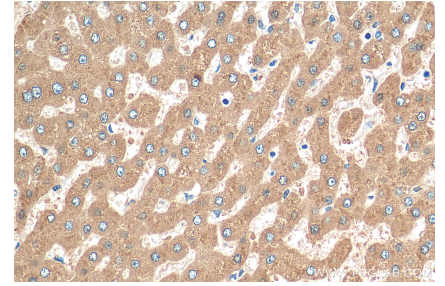
Selected Validation Data



human blood were subjected to SDS PAGE followed by western blot with 16922-1-AP (vitamin D binding protein antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



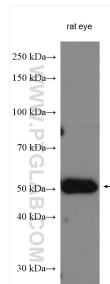
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16922-1-AP (Vitamin D binding protein antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



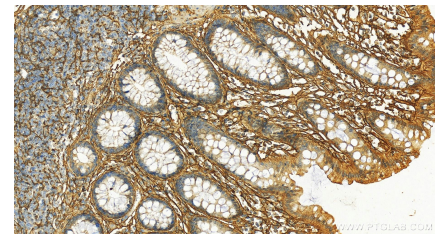
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16922-1-AP (Vitamin D binding protein antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human blood tissue were subjected to SDS PAGE followed by western blot with 16922-1-AP (vitamin D binding protein antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



rat eye tissue were subjected to SDS PAGE followed by western blot with 16922-1-AP (Vitamin D binding protein antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 16922-1-AP (Vitamin D binding protein antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).