

For Research Use Only

Vitamin D binding protein Polyclonal antibody



Catalog Number: 16922-1-AP

8 Publications

Basic Information

Catalog Number: 16922-1-AP	GenBank Accession Number: BC057228	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2638	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P02774	
Isotype: IgG	Full Name: group-specific component (vitamin D binding protein)	
Immunogen Catalog Number: AG10286	Calculated MW: 474 aa, 53 kDa	
	Observed MW: 52-58 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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,

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

*** 20ul sizes contain 0.1% BSA

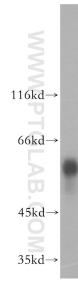
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

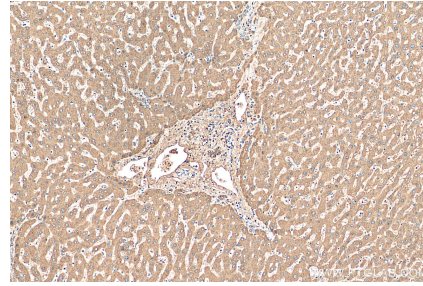
E: proteintech@ptglab.com
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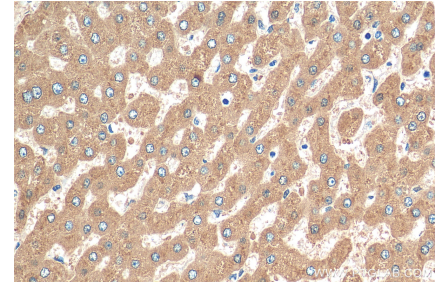
Selected Validation Data



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.



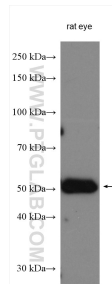
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16922-1-AP (Vitamin D binding protein antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.