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# anti-Vitamin D-Binding Protein antibody (AA 164-213)





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# Overview

| Quantity:            | 100 μL  |
|----------------------|---|
| Target:              | Vitamin D-Binding Protein (GC)  |
| Binding Specificity: | AA 164-213  |
| Reactivity:          | Human, Mouse, Rat, Dog, Monkey, Cow, Horse, Pig, Sheep  |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This Vitamin D-Binding Protein antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffinembedded Sections) (IHC (p)) |

# **Product Details**

| Brand:                | IHC-plus™  |
|-----------------------|--|
| Immunogen:            | Synthetic peptide located between aa164-213 of human DBP (Q10586, NP_001343). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Sheep, Dog, Bovine, Horse, Pig (100%), Elephant (92%). |
|                       | Type of Immunogen: Synthetic peptide   |
| Isotype:              | IgG  |
| Specificity:          | Human DBP  |
| Predicted Reactivity: | Percent identity by BLAST analysis: Human, Mouse, Rat, Sheep, Dog, Bovine, Pig (100%).   |
| Purification:         | Immunoaffinity purified  |

# **Target Details**

| Target Betano       |  |
|---------------------|--|
| Target:             | Vitamin D-Binding Protein (GC)   |
| Alternative Name:   | D-Binding Protein / DBP (GC Products)  |
| Background:         | Name/Gene ID: DBP  |
|                     | Synonyms: DBP, D-binding protein, DABP, Albumin D box-binding protein, TaxREB302, D site-binding protein   |
| Gene ID:            | 1628   |
| NCBI Accession:     | NP_001343  |
| UniProt:            | Q10586   |
| Pathways:           | Metabolism of Steroid Hormones and Vitamin D, Monocarboxylic Acid Catabolic Process  |
| Application Details |  |
| Application Notes:  | Approved: IHC, IHC-P (5 μg/mL), WB (0.2 - 1 μg/mL)   |
|                     | Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be $5 \mu g/mL$ |
| Comment:            | Target Species of Antibody: Human  |
| Restrictions:       | For Research Use only  |
| Handling            |  |
| Format:             | Lyophilized  |
| Reconstitution:     | Distilled water  |
| Concentration:      | Lot specific   |
| Buffer:             | Lyophilized from PBS with 2 % sucrose  |
| Handling Advice:    | Avoid repeat freeze-thaw cycles.   |
| Storage:            | 4 °C,-20 °C  |
|                     |  |

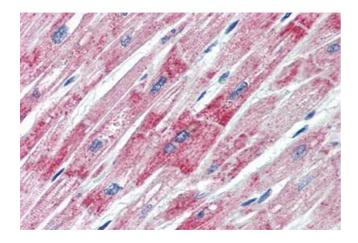
Storage Comment:

Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long

term use (up to 1 year)

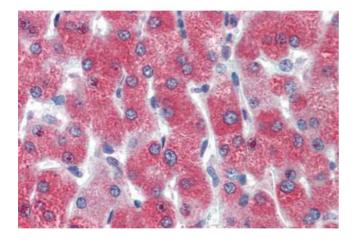
Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

# **Images**



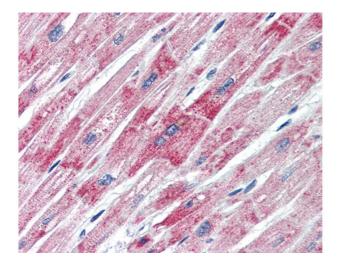
# **Immunohistochemistry (Paraffin-embedded Sections)**

Image 1. Human Heart (formalin-fixed, paraffin-embedded) stained with DBP antibody ABIN462166 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



# **Immunohistochemistry (Paraffin-embedded Sections)**

Image 2. Human Liver (formalin-fixed, paraffin-embedded) stained with DBP antibody ABIN462166 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



### **Immunohistochemistry**

**Image 3.** Anti-DBP antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other forms ...