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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08019 - Goat Anti-Vitamin D-binding protein / GC Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GC, vitamin D-binding protein, group-specific component (vitamin D binding protein), DBP, DBP/GC, VDBG, VDBP, vitamin D binding protein, vitamin D-binding alpha-globulin, vitamin D-binding protein/group specific component

**Official Symbol:** GC

**Accession Number(s):** NP\_000574.2

**Human GeneID(s):** [2638](#)

### Immunogen

Peptide with sequence CDNLSTKNSKFED, from the internal region of the protein sequence according to NP\_000574.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

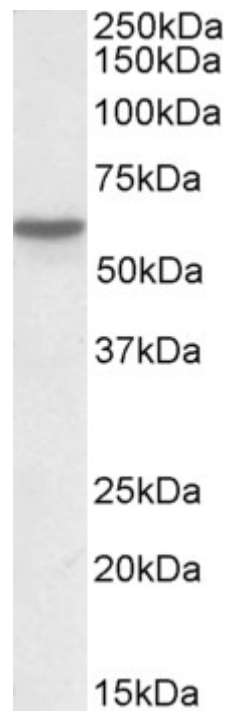
**Peptide ELISA:** antibody detection limit dilution 1:2000.

**Western blot:** Approx 56kDa band observed in Human Lung lysates (calculated MW of 52.9kDa according to NP\_000574.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (DiMartino and Kew, J Immunol. 1999 Aug 15;163(4):2135-42; PMID: 10438954). Recommended concentration: 0.1-0.3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB08019 (0.03 $\mu$ g/ml) staining of Human Lung lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.