



Vitamin D3 Receptor (Phospho-Ser51) Antibody

E11-8205A

Catalog Number: E11-8205A**Concentration:** 1mg/ml**Swiss-Prot No.:** P11473**Other Names:** 1,25-dihydroxyvitamin D3 receptor; NR1I1; vitamin D receptor; vitamin D3 receptor**All Sites:** Human: Ser51; Mouse: Ser51; Rat: Ser51**Storage/Stability:** Store at -20 °C/1 year**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human Vitamin D3 Receptor around the phosphorylation site of serine 51 (R-R-S^P-M-K).**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using

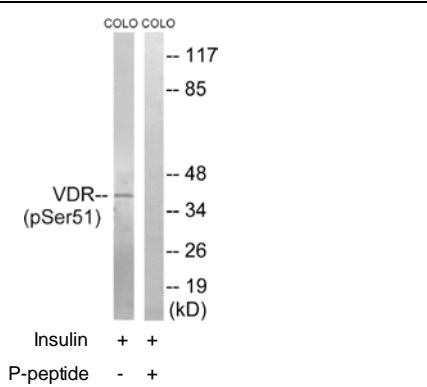
epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity: Vitamin D3 Receptor (Phospho-Ser51) antibody detects endogenous levels of Vitamin D3 Receptor only when phosphorylated at serine 51.

Reactivity: Human (Identities = 100%, Positives = 100%);
Mouse (Identities = 100%, Positives = 100%);
Rat (Identities = 100%, Positives = 100%)

Applications: WB: 1:500~1:1000 ELISA: 1:20000**References:**

Baker A.R., Proc. Natl. Acad. Sci. U.S.A. 85:3294-3298(1988).
Goto H., Biochim. Biophys. Acta 1132:103-108(1992).
Miyamoto K., Mol. Endocrinol. 11:1165-1179(1997).



Western blot analysis of extracts from COLO cells, treated with Insulin (0.01U/ml, 15mins), using Vitamin D3 Receptor (Phospho-Ser51) antibody.

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