

## Product datasheet

# Anti-Vitamin D Receptor (phospho S51) antibody ab79311

### 画像数 1

#### 製品の概要

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製品名	Anti-Vitamin D Receptor (phospho S51) antibody
製品の詳細	Rabbit polyclonal to Vitamin D Receptor (phospho S51)
由来種	Rabbit
特異性	ab79311 detects endogenous levels of Vitamin D3 Receptor only when phosphorylated at serine 51.
アプリケーション	適用あり: WB, ELISA
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat
免疫原	Synthesized phosphopeptide derived from human Vitamin D3 Receptor around the phosphorylation site of serine 51 (R-R-S <sup>P</sup> -M-K).
ポジティブ・コントロール	COLO cell extract treated with insulin (0.01U/ml for 15mins).

#### 製品の特性

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製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
特記事項(精製)	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.
ポリモノ	ポリクローナル
アイソタイプ	IgG

#### アプリケーション

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Our [Abpromise guarantee](#) covers the use of **ab79311** in the following tested applications.

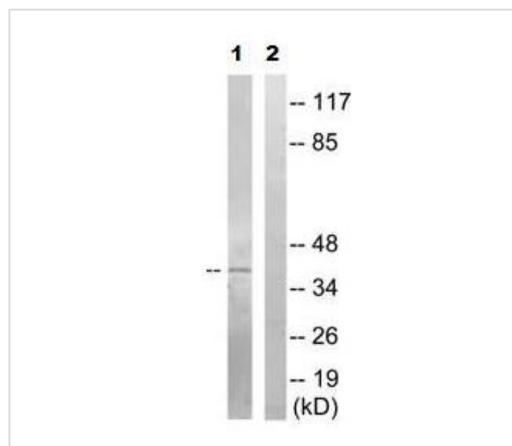
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/1000. Detects a band of approximately 38 kDa (predicted molecular weight: 48 kDa).
ELISA		1/20000.

## ターゲット情報

機能	Nuclear hormone receptor. Transcription factor that mediates the action of vitamin D3 by controlling the expression of hormone sensitive genes. Regulates transcription of hormone sensitive genes via its association with the WINAC complex, a chromatin-remodeling complex. Recruited to promoters via its interaction with the WINAC complex subunit BAZ1B/WSTF, which mediates the interaction with acetylated histones, an essential step for VDR-promoter association. Plays a central role in calcium homeostasis.
関連疾患	Defects in VDR are the cause of rickets vitamin D-dependent type 2A (VDDR2A) [MIM:277440]. A disorder of vitamin D metabolism resulting in severe rickets, hypocalcemia and secondary hyperparathyroidism. Most patients have total alopecia in addition to rickets.
配列類似性	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
ドメイン	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
細胞内局在	Nucleus.

## 画像



Western blot - Vitamin D Receptor (phospho S51) antibody (ab79311)

**All lanes :** Anti-Vitamin D Receptor (phospho S51) antibody (ab79311) at 1/500 dilution

**Lane 1 :** COLO cells extract treated with insulin (0.01U/ml, 15mins)

**Lane 2 :** COLO cells extract treated with insulin (0.01U/ml, 15mins) with Immunizing phosphopeptide at 5 µg

Lysates/proteins at 5 µg per lane.

**Predicted band size:** 48 kDa

**Observed band size:** 38 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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