

# HRP Anti-GFP antibody ab6663

[42 References](#) [画像数 1](#)

### 製品の概要

製品名	HRP Anti-GFP antibody
製品の詳細	HRP Goat polyclonal to GFP
由来種	Goat
標識	HRP
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Species independent
免疫原	Recombinant full length protein corresponding to GFP aa 1-246. Sequence: MSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKL TLKFICTT GKLPVPWPTL VTTFSYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKD DGNKTRA EVKFECDTLV NRIELKGIDFKEDGNILGHKLEYNYNSHNVYIMADKQKNGIK VNFKIRHN IEDGSVQLAD HYQONTPIGDGPVLLPDNHYLSTQSALS KDPNEKRDHMLLE FVTAAGIT HGMDELYK

Database link: [P42212](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

ポジティブ・コントロール

GFP

特記事項

Designed to detect GFP and its variants in ELISA (sandwich or capture), immunoblotting and immunoprecipitation Peroxidase conjugated anti-GFP assayed by immunoblot shows a 42 kDa band when reacted with GFP on a western blot.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特徴

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	pH: 6.50 Preservative: 0.01% Gentamicin sulphate Constituents: 0.42% Tripotassium orthophosphate, 0.87% Sodium chloride, 1% BSA  Do NOT add Sodium Azide!
精製度	Affinity purified
特記事項 (精製)	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Green Fluorescent Protein ( <i>Aequorea victoria</i> ) coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.
一次抗体 備考	Designed to detect GFP and its variants in ELISA (sandwich or capture), immunoblotting and immunoprecipitation Peroxidase conjugated anti-GFP assayed by immunoblot shows a 42 kDa band when reacted with GFP on a western blot.
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

**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab6663の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/5000.

#### ターゲット情報

**関連性**

**Function:** Energy-transfer acceptor. Its role is to transduce the blue chemiluminescence of the protein aequorin into green fluorescent light by energy transfer. Fluoresces in vivo upon receiving energy from the Ca<sup>2+</sup>-activated photoprotein aequorin.

**Subunit structure:** Monomer.

**Tissue specificity:** Photocytes.

**Post-translational modification:** Contains a chromophore consisting of modified amino acid residues. The chromophore is formed by autocatalytic backbone condensation between Ser-65 and Gly-67, and oxidation of Tyr-66 to didehydrotyrosine. Maturation of the chromophore requires nothing other than molecular oxygen.

**Biotechnological use:** Green fluorescent protein has been engineered to produce a vast number of variously colored mutants, fusion proteins, and biosensors. Fluorescent proteins and its mutated allelic forms, blue, cyan and yellow have become a useful and ubiquitous tool for making chimeric proteins, where they function as a fluorescent protein tag. Typically they tolerate N- and C-terminal fusion to a broad variety of proteins. They have been expressed in most known cell

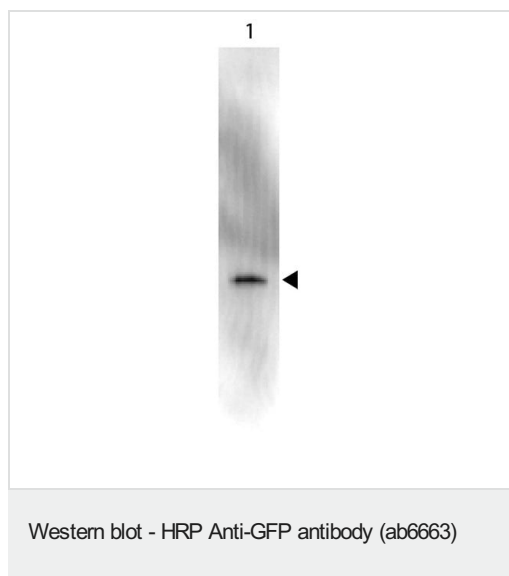
types and are used as a noninvasive fluorescent marker in living cells and organisms. They enable a wide range of applications where they have functioned as a cell lineage tracer, reporter of gene expression, or as a measure of protein-protein interactions. Can also be used as a molecular thermometer, allowing accurate temperature measurements in fluids. The measurement process relies on the detection of the blinking of GFP using fluorescence correlation spectroscopy.

**Sequence similarities:** Belongs to the GFP family.

**Biophysicochemical properties:** Absorption: Abs(max)=395 nm

Exhibits a smaller absorbance peak at 470 nm. The fluorescence emission spectrum peaks at 509 nm with a shoulder at 540 nm.

## 画像



HRP Anti-GFP antibody (ab6663) + GFP

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors