

Anti-GFP antibody [E385] ab32146

重组 RabMAb

★★★★★ 4 Abreviews 80 References 3 图像

概述

产品名称	Anti-GFP抗体[E385]
描述	兔单克隆抗体[E385] to GFP
宿主	Rabbit
特异性	This antibody is specific for GFP and GFP fusion proteins.
经测试应用	适用于: WB 不适用于: ICC/IF or IP
种属反应性	与反应: Species independent
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Pure GFP protein, or cells known to overexpress GFP.
常规说明	On the basis of low sequence homology, ab32146 is predicted to show no or limited cross-reactivity to RFP and BFP.  This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
解离常数 (K <sub>D</sub> )	K <sub>D</sub> = 1.02 x 10 <sup>-12</sup> M





[Learn more about K<sub>D</sub>](#)

存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	E385
同种型	IgG

## 应用

**The Abpromise guarantee** **Abpromise™** 承诺保证使用 ab32146 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度; 实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
WB	★★★★★ (3)	1/1000 - 1/20000. GFP - 27kDa, Proprietary tag/GFP fusion protein - 52kDa

**应用说明** Is unsuitable for ICC/IF or IP.

## 靶标

相关性	<p><b>Function:</b> 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.</p> <p><b>Subunit structure:</b> Monomer.</p> <p><b>Tissue specificity:</b> Photocytes.</p> <p><b>Post-translational modification:</b> 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 dihydroxytyrosine. Maturation of the chromophore requires nothing other than molecular oxygen.</p> <p><b>Biotechnological use:</b> 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</p>
-----	--

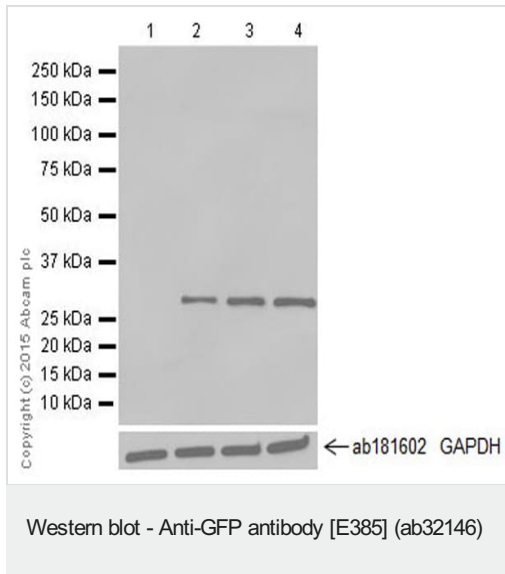
spectroscopy.

**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.

## 图片



**All lanes :** Anti-GFP antibody [E385] (ab32146) at 1/20000 dilution (purified)

**Lane 1 :** HeLa whole cell lysate (negative control)

**Lane 2 :** HeLa whole cell lysate spike with recombinant proprietary tag-GFP fusion protein at 0.001 µg

**Lane 3 :** HeLa whole cell lysate spike with recombinant proprietary tag-GFP fusion protein at 0.002 µg

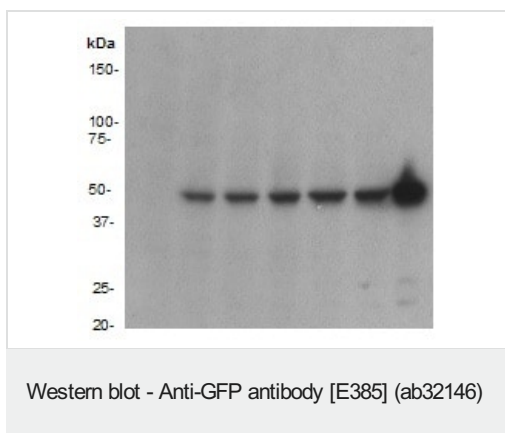
**Lane 4 :** HeLa whole cell lysate spike with recombinant proprietary tag-GFP fusion protein at 0.0025 µg

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Observed band size:** 27 kDa

Blocking and dilution buffer: 5% NFDM /TBST.



**All lanes :** Anti-GFP antibody [E385] (ab32146) at 1/20000 dilution (unpurified)

**Lane 1 :** HeLa cells lysate (negative control)

**Lane 2 :** HeLa cell lysate spike with recombinant Proprietary tag-GFP fusion protein at 0.1ng

**Lane 3 :** HeLa cell lysate spike with recombinant Proprietary tag-GFP fusion protein at 0.5ng

**Lane 4 :** HeLa cell lysate spike with recombinant Proprietary tag-GFP fusion protein at 1ng

**Lane 5 :** HeLa cell lysate spike with recombinant Proprietary tag-GFP fusion protein at 2ng

**Lane 6 :** HeLa cell lysate spike with recombinant Proprietary tag-

GFP fusion protein at 2.5ng

**Lane 7** : Proprietary tag-GFP 0.1mg/ml (positive control)

Why choose a recombinant antibody?



- Research with confidence**  
Consistent and reproducible results
- Long-term and scalable supply**  
Recombinant technology
- Success from the first experiment**  
Confirmed specificity
- Ethical standards compliant**  
Animal-free production

Anti-GFP antibody [E385] (ab32146)

**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.cn/abpromise> or contact our technical team.

#### Terms and conditions

---

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