abcam

Product datasheet

HRP Anti-GFP antibody [E385] ab190584

重组 RabMAb

★★★★★ 1 Abreviews 8 References 3 图像

概述

产品名称	HRP Anti-GFP抗体[E385]
描述	HRP兔单克隆抗体[E385] to GFP
宿主	Rabbit
偶联物	HRP
经测试应用	**适用于:** WB
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	WB: HEK 293 over-expressing GFP lysate and Active. Pure GFP protein, or cells known to overexpress GFP.
常规说明	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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. Store In the Dark.
存储溶液	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
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ab190584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	★★★★★ (1)	1/10000. Detects a band of approximately 27 kDa (predicted molecular weight: 27 kDa).

靶标

相关性

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^{2+} -activated photoprotein aequorin.

Subunit structure: Monomer.

Tissue specificity: Photocytes.

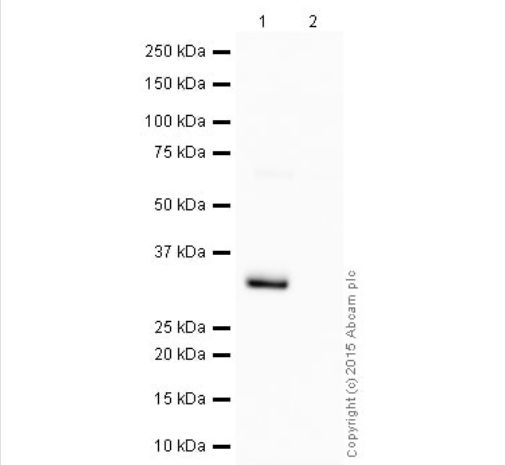
Post-translational modification: Contains a chromophore consisting of modified amino acid residues. The chromophore is formed by autocatalytic backbone condensation between Ser-65 and Gly-67, and oxidation of Tyr-66 to didehydrotyrosine. Maturation of the chromophore requires nothing other than molecular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

图片



Western blot - HRP Anti-GFP antibody [E385] (ab190584)

All lanes : HRP Anti-GFP antibody [E385] (ab190584) at 1/10000 dilution

Lane 1 : HEK 293 over-expressing GFP
Lane 2 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lysates/proteins at 5 µg per lane.

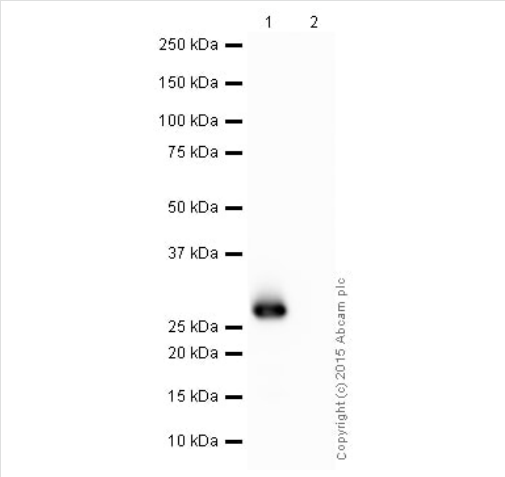
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 27 kDa
Observed band size: 27 kDa

Exposure time: 30 seconds

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with **ab190485** overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.



Western blot - HRP Anti-GFP antibody [E385] (ab190584)

All lanes : HRP Anti-GFP antibody [E385] (ab190584) at 1/10000 dilution

Lane 1 : Recombinant A. victoria GFP protein (**ab84191**)
Lane 2 : Recombinant RFP protein (**ab51993**)

Lysates/proteins at 0.1 µg per lane.

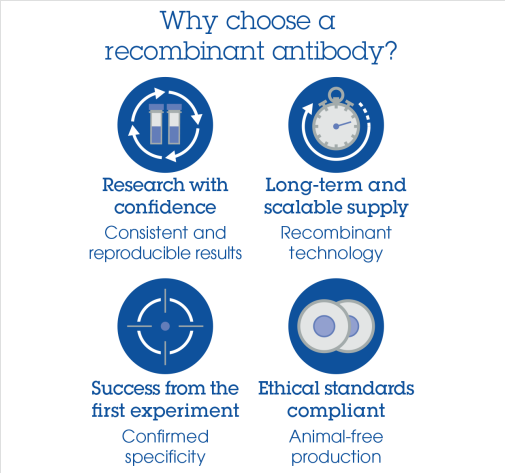
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 27 kDa
Observed band size: 27 kDa

Exposure time: 10 seconds

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab190584 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.



HRP Anti-GFP antibody [E385] (ab190584)

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