

### Anti-Biotin antibody ab53494

★★★★★ [1 Abreviews](#) [47 References](#) [1 图像](#)

#### 概述

产品名称	Anti-Biotin抗体
描述	兔多克隆抗体to生物素
宿主	Rabbit
特异性	Reacts with free biotin and biotinylated antibody and proteins
经测试应用	<b>适用于:</b> WB, Competitive ELISA, IP, ICC/IF
种属反应性	<b>与反应:</b> Species independent
免疫原	Chemical/ Small Molecule corresponding to Biotin conjugated to keyhole limpet haemocyanin.
常规说明	<p>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.</p> <p>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&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.00 Constituents: 50% Glycerol, PBS
纯度	Immunogen affinity purified
纯化说明	Affinity purified with d-Biotin-agarose beads
克隆	多克隆
同种型	IgG

#### 应用

The Abpromise guarantee

**Abpromise™** 承诺保证使用ab53494于以下的经测试应用

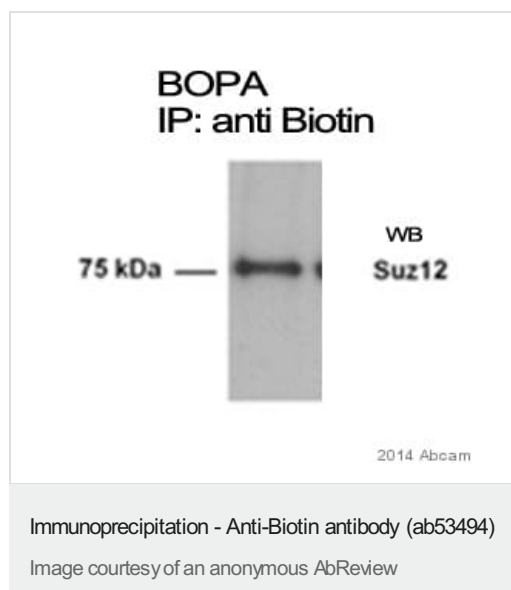
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent dilution. Predicted molecular weight: 1 kDa.
Competitive ELISA		Use at an assay dependent dilution. (sensitivity: 0.01 ng/mL).
IP	★★★★★ (1)	Use at an assay dependent dilution.
ICC/IF		Use at an assay dependent dilution.

## 靶标

**相关性** Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da.

## 图片



RWP1 cells were lysed with Polysomal Lysis Buffer and diluted in binding buffer (20 mM Hepes pH 7.6, 150 mM KCl, 3 mM MgCl<sub>2</sub>, 10% glycerol, 3 mg/ml BSA, 0.2 Triton X-100, 20 µg/ml poly dI-dC, 1 mM DDT, plus protease and RNase inhibitors). Pre-clearing was performed by incubating with protein G-agarose blocked with salmon sperm (1 mg/mL) and mouse IgG (10 µg/mL). After pre-clearing, samples (500 µg) were incubated 4 hours in binding buffer with the DNA-biotinylated probes (2 µg) and antibody against biotin (20 µg/mL) in a final volume of 1 mL. Samples were pulled-down with protein G-agarose, washed with binding buffer supplemented with 0.1% Tween-20 and analyzed by Western Blot for Suz12.

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

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- Extensive multi-media technical resources to help you
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