

# Anti-Prostaglandin E Receptor EP2/PTGER2 antibody [3E6] ab16151

[1 References](#) [1 图像](#)

### 概述

产品名称	Anti-Prostaglandin E Receptor EP2/PTGER2抗体[3E6]
描述	小鼠单克隆抗体[3E6] to Prostaglandin E Receptor EP2/PTGER2
宿主	Mouse
经测试应用	适用于: WB
种属反应性	与反应: Cow
免疫原	Recombinant fragment corresponding to Human Prostaglandin E Receptor EP2/PTGER2. Database link: <a href="#">Q62928</a>
阳性对照	WB; Porcine brain lysate
常规说明	<p>Prostaglandins (PG's) are produced by the metabolism of arachidonic acid. PGE-2 is one of the five physiologically significant prostanoids known. It's wide spectrum of physiologic and pharmacologic effects in various tissues are mediated through binding to the PGE-2 receptors (EP1, EP2, EP3 &amp; EP4). These include effects on the immune, endocrine, cardiovascular, renal and reproductive systems as well as smooth muscle. It is also one of the most abundant of the prostanoid family in the brain where it plays an important role in many neural functions, particularly in newborn babies, and as a mediator of inflammation. PGE-2 signals through a family of G-protein coupled receptors known as EP receptors. There are 4 subtypes of EP receptors, known as EP1, EP2, EP3 and EP4. EP2 receptors are 358 amino acid proteins with a short third intracellular loop. EP2 receptors stimulate adenylyl cyclase by their coupling to Gs and do not undergo PGE-2-induced internalization. The EP2 receptors is involved with the contraction and relaxation of smooth muscle tissue. These receptors are mainly localized in lung and placental tissues and in smooth muscle.</p> <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	Preservative: 0.08% Sodium azide Constituent: PBS
纯度	Protein A/G purified
克隆	单克隆
克隆编号	3E6
同种型	IgG1

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab16151 于以下的经测试应用

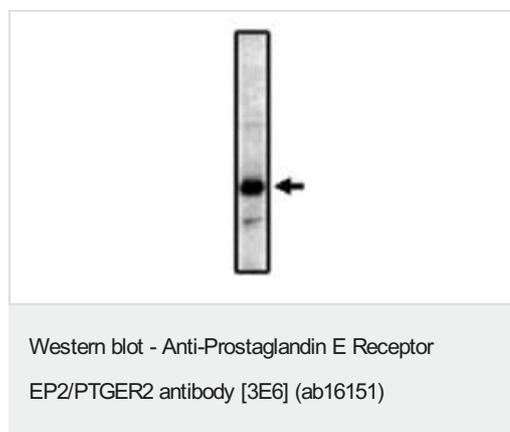
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 - 5 µg/ml. Detects a band of approximately 53 kDa.

## 靶标

功能	Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. The subsequent raise in intracellular cAMP is responsible for the relaxing effect of this receptor on smooth muscle.
组织特异性	Placenta and lung.
序列相似性	Belongs to the G-protein coupled receptor 1 family.
细胞定位	Cell membrane.

## 图片



ab16151 at 1µg/ml detecting Prostaglandin E Receptor EP2/PTGER2 from bovine brain lysate by Western blot

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

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