



Datasheet for ABIN306864 anti-PTGER2 antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	PTGER2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PTGER2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from mice immunized with recombinant human EP2 receptor protein and mouse myeloma cells.
Clone:	3E6
Isotype:	IgG1
Cross-Reactivity:	Cow, Human, Rat
Characteristics:	Prostaglandin E2 Receptor Subtype EP2, Provided under license from Allergan, Inc. United States Patent No. 5,716,835, Prostaglandins (PG's) are produced by the metabolism of arachidonic acid. PGE-2 is one of the five physiologically significant prostanoids known. Its wide spectrum of physiologic and pharmacologic effects in various tissues are mediated through binding to the PGE-2 receptors (EP1, EP2, EP3 & 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

Product Details

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.

Purification: Protein A/G Chromatography

Target Details

Target: PTGER2

Alternative Name: Prostaglandin-E2 receptor EP2 ([PTGER2 Products](#))

UniProt: [Q62928](#)

Application Details

Application Notes: This antibody can be used for Western blot analysis (1-5 µg/mL). Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

Handling

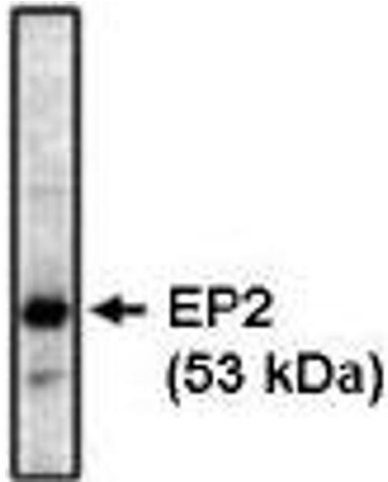
Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles



Western Blotting

Image 1. Western blot analysis using EP2 antibody on bovine brain lysate at 1 μ g/ml. Rat, Bovine,