



Datasheet for ABIN748403
anti-PGE2 antibody (AA 281-384)



[Go to Product page](#)

3 Images

4 Publications

Overview

Quantity:	100 µL
Target:	PGE2
Binding Specificity:	AA 281-384
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PGE2 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse PGES2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	PGE2
---------	------

Target Details

Abstract:	PGE2 Products
Background:	Synonyms: Gbf1, Pges2, C79137, Mpges2, 6138H1Rik, Prostaglandin E synthase 2, GATE-binding factor 1, GBF-1, Microsomal prostaglandin E synthase 2, mPGES-2, Ptges2, Background: Isomerase that catalyzes the conversion of PGH2 into the more stable prostaglandin E2 (PGE2) (By similarity). May also have transactivation activity toward IFN-gamma (IFNG), possibly via an interaction with CEBPB, however, the relevance of transcription activation activity remains unclear.
Gene ID:	96979
UniProt:	Q8BWM0

Application Details

Application Notes:	ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

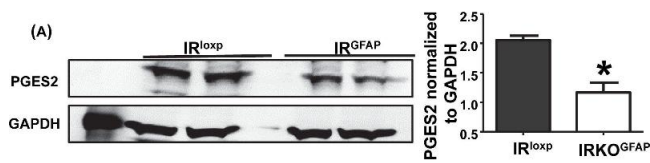
Product cited in: Manaserh, Chikkamenahalli, Ravi, Dube, Park, Hill: "Ablating astrocyte insulin receptors leads to delayed puberty and hypogonadism in mice." in: **PLoS biology**, Vol. 17, Issue 3, pp. e3000189, (2019) ([PubMed](#)).

Chia, Liu, Feng, Tseng, Hung, Chen, Tan: "The Antinociceptive Effect of Light-Emitting Diode Irradiation on Incised Wounds Is Correlated with Changes in Cyclooxygenase 2 Activity, Prostaglandin E2, and Proinflammatory Cytokines." in: **Pain research & management**, Vol. 2017, pp. 4792489, (2017) ([PubMed](#)).

Liu, Li, Liu, She, Shi, Li, Wang, Jiang: "Activated hepatic stellate cells directly induce pathogenic Th17 cells in chronic hepatitis B virus infection." in: **Experimental cell research**, Vol. 359, Issue 1, pp. 129-137, (2017) ([PubMed](#)).

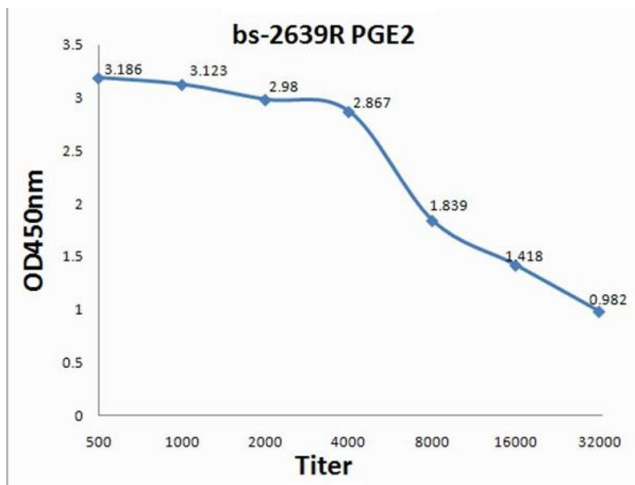
de Jesus, Spadacci-Morena, dos Anjos Rabelo, Pinfildi, Fukuda, Plapler: "Low-level laser therapy in IL-1 β , COX-2, and PGE2 modulation in partially injured Achilles tendon." in: **Lasers in medical science**, Vol. 30, Issue 1, pp. 153-8, (2015) ([PubMed](#)).

Images



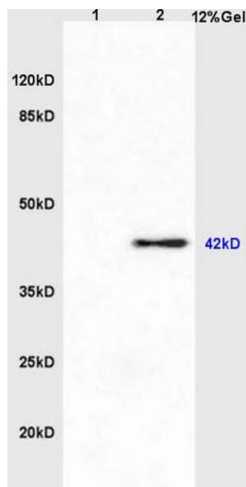
Western Blotting

Image 1. Altered PGES2 levels.(A) Western blotting of PGES2 protein expression from FACS-isolated astrocytes were imaged and quantified for IRloxP and IRKOGFAP mice. IRloxP (black bar) and IRKOGFAP (white bar), (n = 4 per group, 2 brains pooled per lane). Values are expressed as means \pm SEM. *P < 0.05 IRKOGFAP versus IRloxP group. The underlying data can be found in S1 Data. (B-C) Schematic diagram representing the mechanism of astrocyte modulation of HPG axis. FACS, fluorescence-activated cell sorting, HPG, hypothalamic pituitary gonadotropin, IR, insulin receptor, IRKOGFAP, astrocyte-specific insulin receptor deletion, PGES2, prostaglandin E synthase 2. - figure provided by CiteAb. Source: PMID30893295



ELISA

Image 2. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader at 450nm



SDS-PAGE

Image 3. Lane 1: rat testis lysates Lane 2: rat brain lysates probed with Anti PGE2 Polyclonal Antibody, Unconjugated (ABIN748403) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 42kD. Observed band size: 42kD.