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Datasheet for ABIN872820

## anti-PTGER1 antibody (AA 61-160)

4 Images

2 Publications

### Overview

Quantity:	100 µL
Target:	PTGER1
Binding Specificity:	AA 61-160
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGER1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Prostaglandin E Receptor EP1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog
Purification:	Purified by Protein A.

### Target Details

Target:	PTGER1
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## Target Details

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Alternative Name: Ptger1 ([PTGER1 Products](#))

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Background: Synonyms: EP1, Prostaglandin E2 receptor EP1 subtype, PGE receptor EP1 subtype, PGE2 receptor EP1 subtype, Prostanoid EP1 receptor, PTGER1  
Background: Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(q) proteins which activate a phosphatidylinositol-calcium second messenger system. May play a role as an important modulator of renal function. Implicated the smooth muscle contractile response to PGE2 in various tissues.

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Gene ID: 5731

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UniProt: [P34995](#)

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## Application Details

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Application Notes: WB 1:300-5000  
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

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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

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Storage: 4 °C, -20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

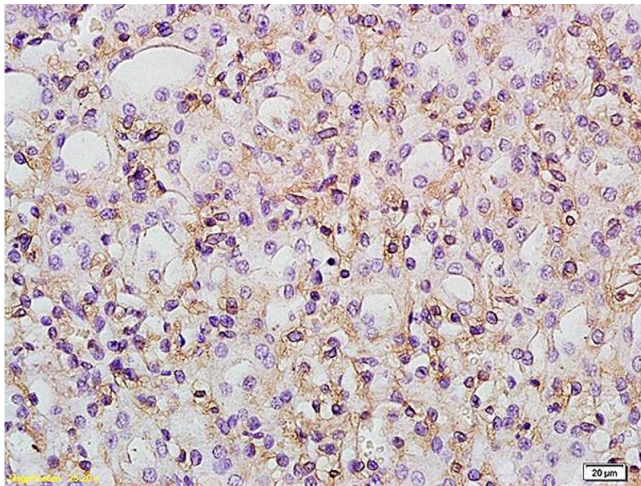
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Expiry Date: 12 months

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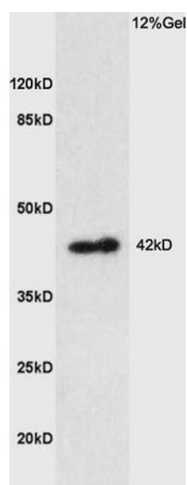
Product cited in: Takemiya, Takeuchi, Kawakami: "Microsomal Prostaglandin E Synthase-1 Facilitates an Intercellular Interaction between CD4<sup>+</sup> T Cells through IL-1 $\beta$  Autocrine Function in Experimental Autoimmune Encephalomyelitis." in: **International journal of molecular sciences**, Vol. 18, Issue 12, (2018) ([PubMed](#)).

## Images



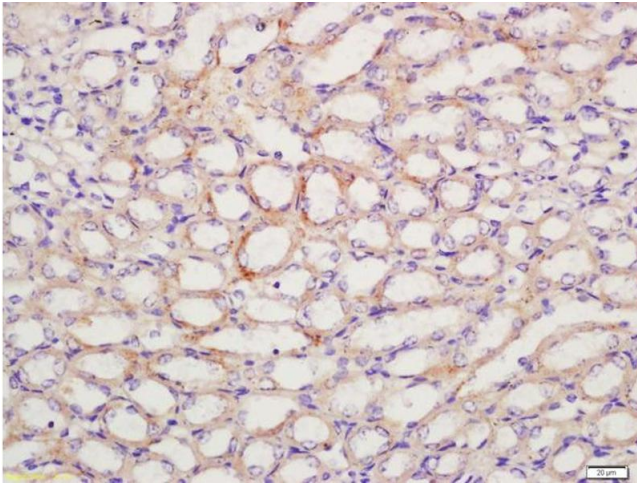
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat kidney labeled with Anti PTGER1/EP1 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



### SDS-PAGE

**Image 2.** Lane 1: mouse kidney lysates probed with Anti PTGER1 Polyclonal Antibody, Unconjugated (ABIN872820) 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



### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin embedded mouse kidney labeled with Anti-PTGER1 Polyclonal Antibody, Unconjugated (ABIN872820) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN872820.