

# Product Datasheet

## PTGER4/EP4 Antibody NB100-2801

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-2801****PTGER4/EP4 Antibody****Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

**Product Description**

<b>Host</b>	Goat
<b>Gene ID</b>	5734
<b>Gene Symbol</b>	PTGER4
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 25894216).
<b>Immunogen</b>	Peptide with sequence C-LEREVSKNPDLQA corresponding to internal region according to NP_000949.1.

**Product Application Details**

<b>Applications</b>	Western Blot, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 0.3 ug/ml, Peptide ELISA Detection limit 1:16000
<b>Application Notes</b>	WB: Approx. 55 kDa band observed in human testis lysates (calculated MW of 53.1 kDa band according to NP_000949.1).

**Images**

Western Blot: PTGER4/EP4 Antibody [NB100-2801] - (0.1ug/ml) staining of Human Testes lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
  
25kDa  
20kDa  
15kDa

## Publications

Parida S, Pal I, Parekh A et al. GW627368X inhibits proliferation and induces apoptosis in cervical cancer by interfering with EP4/EGFR interactive signaling. *Cell Death Dis.* 2016-03-25 [PMID: 27010855] (WB, Human)

Echeverria V, Clerman A, Dore S. Stimulation of PGE receptors EP2 and EP4 protects cultured neurons against oxidative stress and cell death following beta-amyloid exposure. *Eur J Neurosci* 2005-11-01 [PMID: 16262658]

Parida S, Parekh A, Dey G et al. Molecular Inhibition of Prostaglandin E2 with GW627368X: Therapeutic potential and Preclinical Safety Assessment in Mouse Sarcoma Model *Cancer Biol. Ther.* 2015-04-20 [PMID: 25894216] (WB, Mouse)





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### **Products Related to NB100-2801**

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NB820-59266	Human Testis Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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