

# Product Datasheet

## PGD2 Synthase/PTGDS Antibody NB110-59909

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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[technical@novusbio.com](mailto:technical@novusbio.com)

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**NB110-59909****PGD2 Synthase/PTGDS Antibody**

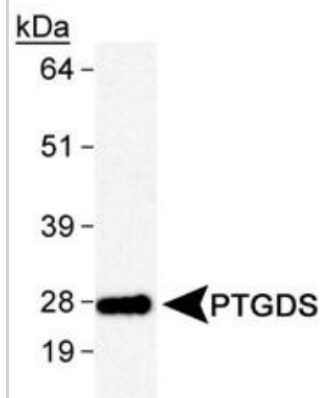
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS and 30% Glycerol
<b>Target Molecular Weight</b>	21 kDa

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	5730
<b>Gene Symbol</b>	PTGDS
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Equine, Feline, Fish, Primate, Rabbit
<b>Reactivity Notes</b>	Fish reactivity reported in scientific literature (PMID: 31401171).
<b>Immunogen</b>	The epitope recognized by this antibody maps to region within residue 25-100 of human Prostaglandin D Synthase/Lipocalin. [Swiss-Prot# P41222]

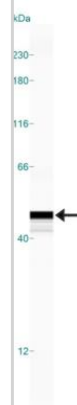
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western
<b>Recommended Dilutions</b>	Western Blot 2 ug/ml, Simple Western 1:50
<b>Application Notes</b>	<p>This Prostaglandin D Synthase/Lipocalin antibody is useful for Western blot analysis where a band can be seen at approx. 21 kDa.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.</p> <p>The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>

## Images

Western Blot: PGD2 Synthase/PTGDS Antibody [NB110-59909] - Detection of Prostaglandin D Synthase/Lipocalin in human brain lysates (NB820-59177) using NB110-59909.



Simple Western: PGD2 Synthase/PTGDS Antibody [NB110-59909] - Simple Western lane view shows a specific band for PGD2/Synthase/PTGDS in 0.5 mg/ml of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



## Publications

Wang T, Zhu W, Zhang H et al. Integrated analysis of proteomics and metabolomics reveals the potential sex determination mechanism in *Odontobutis potamophila* J Proteomics Aug 8 2019 12:00AM [PMID: 31401171] (WB, Fish)

Takeda K, Takahashi NH, Yoshizawa M, Shibahara S. Lipocalin-type prostaglandin D synthase as a regulator of the retinoic acid signalling in melanocytes. J Biochem 2010 Aug [PMID: 20403807] (WB, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
novus@novusbio.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **Products Related to NB110-59909**

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NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
NB110-59909PEP	PGD2 Synthase/PTGDS Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB7156	Goat anti-Rabbit IgG (H+L) Secondary Antibody
NBP2-24891	Rabbit 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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